



Joint Legislative Audit Committee  
Office of the Auditor General



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## REVIEW OF DATA PROCESSING USAGE IN THE EXECUTIVE BRANCH

A review of computer usage in the Executive Branch by Arthur Young and Company has revealed that while the Executive Branch spends over \$93 million annually on computer services there is little comprehensive statewide EDP planning, coordination and cooperation.

In addition, opportunities exist for consolidating some of the State's data processing functions, and a State and Consumer Services Agency Consolidated Data Center appears warranted.

REPORT TO THE  
CALIFORNIA LEGISLATURE



# California Legislature

## Joint Legislative Audit Committee

STATE CAPITOL  
SACRAMENTO 95814  
(916) 323-1168

925 L STREET  
SUITE 750  
SACRAMENTO 95814  
(916) 445-0255

GOVERNMENT CODE SECTION 10500 et al

RICHARD ROBINSON  
CHAIRMAN

SENATORS  
ALBERT RODDA  
PAUL CARPENTER  
JOHN NEJEDLY  
ROBERT PRESLEY  
  
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May 9, 1979

834

The Honorable Speaker of the Assembly  
The Honorable President pro Tempore of the Senate  
The Honorable Members of the Senate and the  
Assembly of the Legislature of California

### Members of the Legislature:

Your Joint Legislative Audit Committee respectively submits the audit report of Arthur Young and Company on the use of computers in the Executive Branch.

Arthur Young and Company identifies that there is little statewide comprehensive EDP planning, coordination and cooperation. In addition, they indicate that the State's data centers can be consolidated and thus recommend that a State and Consumer Services Consolidated Data Center be considered.

In light of the fact that California will pay over \$93 million in fiscal year 1978-79 for computer services in the Executive Branch alone, the recommendations contained in this report should receive close legislative scrutiny.

Respectively submitted,

A handwritten signature in black ink, appearing to read "Richard Robinson".  
RICHARD ROBINSON  
Assemblyman, 72nd District  
Chairman, Joint Legislative  
Audit Committee

**State of California**  
**California Legislature**  
**Joint Legislative Audit Committee**  
**Office of the Auditor General**

**Review of Data  
Processing Usage  
in the Executive  
Branch**

**April 30, 1979**

**ARTHUR YOUNG**

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I. SUMMARY

## I. SUMMARY

The Legislature intends for the State to effectively and economically use electronic data processing (EDP) on the basis of a planned, coordinated and cooperative effort among the agencies. Its mandate includes "sound policies, effective implementation practices and adequate management controls", and requires that a master plan be developed and continually updated. The master plan is to "provide for consolidation and optimum utilization of electronic data processing equipment."

This study, conducted in the fall and winter of 1978, examined for selected agencies in the Executive Branch of State government: (a) the extent to which EDP applications are used, (b) the cost of such applications, (c) the potential for eliminating unnecessary data processing effort, and (d) the potential for additional data processing consolidation.

Approximately 1200 applications are processed for 47 Executive Branch units at eight computer centers. These applications and those processed at a number of service bureaus are budgeted to cost the State \$93 million in Fiscal 1978/79. Of this amount, personnel costs approximate 48 percent, while computer processing and equipment related costs represent approximately 32%. Consequently, the thrust of our recommendations emphasize the efficient use of personnel and the cost savings that can result from this emphasis.

The study revealed that EDP planning is basically limited to the department level and is reflected in departmental annual Information System Plans (ISP) submitted to the Department of Finance. The statewide master plan has not been updated since May 1970. A statewide EDP planning and coordination effort is needed to minimize unnecessary effort and the excess personnel costs which result from duplicate application development. Therefore, our recommendations include:

- Establishing a statewide data processing planning and coordinating organization
- Maintaining the Inventory of Applications as a reference aid to preclude redundant development effort.

Teale Data Center is operating at its current capacity. Its level of service is continually deteriorating as the work load increases. Capacity limitations make it impractical to use the Teale Data Center to process applications currently being run on other State computers. Consequently, we recommend:

- Transferring selected Teale Data Center processed applications to computers with available capacity
- Developing a statewide master plan which could preclude any State computer center from curtailing service due to capacity limitations
- Developing contingency plans which could be used to smooth the effects of unanticipated demand.

The Franchise Tax Board computer center currently is operating with available capacity. A transfer of applications from the Teale Data Center (TDC) to the Franchise Tax Board (FTB) would benefit both the remaining users at TDC and those transferred to FTB. Therefore, we recommend:

- Transferring the State and Consumer Services Agency applications from TDC to FTB
- Establishing the Franchise Tax Board Computer Center as the State and Consumer Services Agency Data Center.

The Board of Equalization is using older technology equipment which should meet their capacity needs through the early 1980's. Consolidation into existing computer centers at this time does not appear practical. Therefore, we recommend postponing consolidation of that facility to a later date.

The State uses considerable time-sharing computer resources to develop new applications and process various time-shared applications. The need for a time-sharing computer center is supported by both the TDC Feasibility Study report and the number of scientific and engineering applications found in this study. Scientific and engineering processing will cost approximately \$4 million in fiscal 1978/79. Consequently, we recommend:

- Supplementing the TDC time-sharing feasibility study to include the scientific and engineering applications.

The applications reviewed by this study were grouped according to the generic type which most closely corresponds to the purpose and function of the application. Analysis of these groupings shows that there are multiple applications with similar purposes and while it may be possible to consolidate some of these applications, it is not practical to do so.

Applications with similar purposes are being developed by more than one agency and/or department. To more effectively utilize personnel, this redundant development activity should be prevented. We therefore recommend that those potentially redundant efforts identified by this study be considered for consolidated development projects.

Finally, we identified a total of forty applications estimated to cost \$301,000 that were described as being of little value. We recommend the agencies responsible for these applications should justify them or eliminate them.

II. INTRODUCTION

## II. INTRODUCTION

In response to Resolution 834 of the Joint Legislative Audit Committee, Arthur Young & Company conducted a review of data processing applications in selected State agencies which use the Stephen P. Teale Consolidated Data Center (TDC) and seven other State computer centers. This review was conducted under contract to the Auditor General under the authority granted him by the Legislature and Government Code Section 10527.

### Study Objectives and Scope

The general purpose of the review was to analyze the services provided to the Executive Branch of State government by the Teale Data Center and seven other State computer centers, and to determine the actual use of these services by organizational units within this branch of government.

The specific objectives of the review were to:

- . Determine the extent to which applications processed by the Teale Data Center go unused by State agencies
- . Determine the cost of producing such applications
- . Determine the potential for eliminating unnecessary data processing efforts
- . Determine the feasibility of using the Teale Data Center to process applications currently being run on other State agency computers or vice-versa
- . Determine the extent of computer operations in other State agencies including an identification of; (1) computer systems in existence, (2) the acquisition or rental cost of such equipment, (3) the personnel and associated costs to operate the systems, and (4) the costs of building space to house the systems.

The scope of the study was limited to units of State government within the Executive Branch. A list of included organizational units is provided in Exhibit I on the following page, together with the Department of Finance reporting code that we utilized in our work. The study specifically excluded a number of major EDP users in State government, such as the University of California, the State College and University System, other colleges and schools, and all criminal justice-related applications. Mini-computer applications within the Executive Branch also were excluded from our study.

The eight State computer centers included in our analysis are listed below:

- . Teale Data Center
- . Franchise Tax Board
- . Office of the Controller
- . Department of Motor Vehicles
- . Department of Water Resources
- . Board of Equalization
- . Public Utilities Commission
- . Health and Welfare Agency Data Center.

#### Methodology

Prior to this project, a list or inventory of data processing applications in the Executive Branch did not exist. To identify the applications, we first surveyed 47 organizations in the Executive Branch. This survey provided basic information on EDP applications which allowed us to then develop a second questionnaire to obtain detailed information relative to each application and the reports it produced. We coordinated the development of this questionnaire with representatives of the State Data Processing Management Office and included additional

STATE ORGANIZATIONS INCLUDED IN THE STUDY

<u>Organization</u>	<u>Reporting Code</u>
Air Resources Board . . . . .	006
Conservation . . . . .	012
Controller . . . . .	014
Corporations . . . . .	018
Education . . . . .	020
Energy Resources Commission . . . . .	021
Finance . . . . .	022
Fire Marshall . . . . .	024
Forestry . . . . .	027
General Services . . . . .	028
Highway Patrol . . . . .	030
Industrial Relations . . . . .	032
Insurance . . . . .	034
Parks and Recreation . . . . .	044
Personnel Board . . . . .	046
Planning and Research . . . . .	050
Postsecondary Education Commission . . . . .	051
Public Employees Retirement System . . . . .	052
Public Utilities Commission . . . . .	054
Real Estate . . . . .	056
Savings and Loan . . . . .	060
Secretary of State . . . . .	062
Teale Data Center . . . . .	064
Teachers Retirement System . . . . .	066
Transportation . . . . .	068
Treasurer . . . . .	070
Veterans Affairs . . . . .	072
Water Resources . . . . .	074
Water Resources Control Board . . . . .	076
Alcohol and Drug Abuse . . . . .	104
Employment Development . . . . .	116
Health Planning and Development Office . . . . .	122
Health Facilities Commission . . . . .	125
Rehabilitation . . . . .	130
Social Services . . . . .	132
Office of Emergency Services . . . . .	136
Office of Traffic Safety . . . . .	140
Department of Health Services . . . . .	141
Department of Mental Health . . . . .	142
Department of Developmental Services . . . . .	143
Consumer Affairs . . . . .	158
Equalization . . . . .	164
Food and Agriculture . . . . .	166
Franchise Tax . . . . .	168
Housing and Community Development . . . . .	172
Motor Vehicles . . . . .	180
Student Aid Commission . . . . .	184

information which would be helpful to that office. The questionnaire was tested within selected State agencies, revised according to the test results, and then distributed to the data processing management personnel in each organization listed in Exhibit I.

After issuance of the questionnaire we learned that a number of agencies did not have detailed report information and would have to expend considerable effort to develop it. Because elimination of reports would essentially result in paper savings and most probably would not allow for the elimination of computer systems, the expected benefit from this analysis did not appear to be as great as the cost of obtaining the data. Consequently, the request for detailed report information was withdrawn with the Auditor General's concurrence.

After receiving the questionnaire responses, we developed a stratified sample of responses and tested the accuracy of questionnaire information through on-site interviews and records reviews. The questionnaire responses then were key-entered onto magnetic tape and various computer listings were prepared and analyzed.

Thereafter, we assessed the capacity of the various computer centers to determine their ability to accept additional work. This enabled us to determine the practicality of transferring applications among computer centers in order to effect a consolidation.

#### Limitations On Information

The costs of data processing applications in the Executive Branch are shown in Exhibit II. These totals are based on the Inventory of Applications Report and represent the cumulative totals of the individual application estimates for Fiscal

## FISCAL YEAR 1978/79 BUDGETED EDP COSTS (IN THOUSANDS)

		COMPUTER CENTRES				CONTRACTS		
	DATA CENTER	% DEPT EQUIPMENT	% DEPT PERSONNEL	% DEPT OTHER	%	TOTAL COSTS	%	
PRODUCTION	\$18,098	87%	\$1,813	76%	\$27,887	80%	\$12,524	86%
NEW DEVELOPMENT	2,732	13%	564	24%	6,915	20%	1,972	14%
OTHER	132	-	0	-	288	-	14	-
TOTAL	\$20,962	-	\$2,377	-	\$35,090	-	\$14,510	-
% OF TOTAL	29%		3%	48%		20%	100%	
Service Bureau						\$ 19,818		
Time-Share						\$ 98	-	
Total						\$ 19,916		
TOTAL						\$ 92,855	-	

Year 1978-79. The detailed applications questionnaires were completed by data processing staff in the various agencies. Some of the agencies maintain detailed cost data by application; others do not. Therefore, in many cases the individual cost and personnel data are estimates with little actual supporting detail. In reviewing the 1,200 questionnaire responses, we found six major errors which caused us to reduce reported costs by approximately \$82 million. A number of agencies entered no cost or personnel data at all. Errors such as these and the lack of supporting data by many agencies makes it necessary for us to qualify the data as an estimate of total costs, rather than actual costs.

The cost figures for the operation of the eight computer centers are shown in Exhibit III. These costs, which are typically included in total costs, were determined using the August 1978 Information Systems Plan (ISP), detailed building space data, and acquisition cost data provided by each organization. The ISP's for most organizations contained some applications-related costs (e.g., for data entry and applications programming). Consequently, these costs were subtracted from the ISP amounts to achieve a more comparable cost of computer operations for each organization involved. Thus, the computer center costs are those which can be directly attributable to computer operations (including a pro-rated portion of management, administrative, and other overhead costs).

Because the cost figures are from two different sources, they are not directly comparable. Exhibit II represents the total costs for applications development, maintenance and processing, and the Service Bureau and Time Sharing Expenditures for Fiscal Year 1978-79. Exhibit III represents the costs of operating the eight computer centers.

ESTIMATED COMPUTER CENTER COSTS 1/

(IN THOUSANDS OF DOLLARS)

COMPUTER CENTERS (COMPUTER EQUIPMENT)	ACQUISITION COST OF OWNED EQUIPMENT 2/	EQUIPMENT 3/			FISCAL YEAR 1978 - 1979		
		PURCHASE COSTS	LEASE AND MAINTENANCE COSTS	TOTAL	PERSONNEL 4/	BUILDING SPACE 5/	ASSOCIATED COSTS 6/
Board of Equalization (Univac Series 70/6 and 45)	\$ 361	0	\$ 1,113	\$ 1,113	\$ 1,041	\$ 35	\$ 209
State Controller (IBM 1401 and 7074)	2,057	0	51	51	579	19	120
Department of Motor Vehicles (Univac Series 70/6 and 55)	6,280	1,274	3,018	4,292	2,373	91	1,245
Department of Water Resources (Control Data Corp. 3300)	1,227	0	445	445	407	43	308
Franchise Tax Board (Amdahl 470/V5)	4,426	946	1,178	2,124	1,528	186	612
Health and Welfare Data Center (IBM 370/165 and 158)	1,419	464	2,021	2,485	2,540	174	884
Public Utilities Commission (Burroughs 1726)	15	6	84	90	180	3	139
Teale Data Center (IBM 370/168)	12,094	3,076	4,406	7,482	3,902	214	1,708
<b>TOTAL</b>	<b>\$27,879</b>	<b>\$5,766</b>	<b>\$12,316</b>	<b>\$18,082</b>	<b>\$12,550</b>	<b>\$765</b>	<b>\$5,225</b>
							<b>\$36,622</b>

1/ These are the estimated costs specifically related to the operation of the computer center at each organization. They do not include application related costs.

2/ Acquisition costs are based on historical records or the organization's best estimate (for some equipment more than ten years old) of the actual cost to the organization of acquiring its presently owned equipment. Lease payments where purchase options exist were not included unless the option has been exercised and the equipment is actually owned. Also, where equipment was acquired from another state agency, the cost to the present owner was used rather than the original purchase price.

3/ Equipment costs include those for peripheral devices, terminals, data communications, computer output microfilm equipment, EAM equipment, and other miscellaneous equipment as well as the costs for central processing units. Those costs related to data entry equipment, satellite processors, special purpose systems, and mini-computers were excluded.

4/ Computer center personnel costs include operations and software support personnel plus a pro rata share of the management, administrative, and customer liaison costs. Costs for data entry personnel and application programmers (plus a pro rata share of management, administrative, and customer liaison costs) were excluded from the computer center personnel costs.

5/ Building space costs were determined by multiplying the cost per square foot of floorspace required to house the computer center equipment and personnel. They do not include data entry or other applications related building space costs.

6/ Associated costs include all costs other than equipment, personnel, and building space that are associated with the operation of the computer center. The following were included: costs for data communication line facilities, a pro rata share of the departmental overhead cost (based on data provided by each center or on the computer center personnel costs as a percentage of the total personnel costs), and the portions of the commercial contract, inter-agency agreement, facility, utility, supply, and miscellaneous costs that were not related to data entry or other applications processing.

Our work affected the operations of 47 units of State government. We appreciate the many courtesies extended to us and the excellent cooperation we received from individuals within these organizations. The work could not have been accomplished without their support.

III. BACKGROUND

### III. BACKGROUND

The Legislature recognizes that ". . . electronic data processing in State government is necessary to insure the highest level of efficiency and economy" (Government Code, Section 11750). "Effective and economical use of this management tool requires comprehensive planning, coordination and cooperation among agencies and levels of government" (Government Code, Section 11700). The Government Code also requires a ". . . master plan for the use of electronic data processing within state government . . . that this plan be continually updated, (and) that the master plan provide for consolidation and optimum utilization of electronic data processing equipment, (and) maximum practical integration of electronic data processing systems" (Section 11700, et seq.).

The Government Code mandates a State Electronic Data Processing Policy Committee whose functions and responsibilities are to "Review and accept or reject recommendations formulated and proposed by the Office of Management Services, including policies, procedures, standards and a master plan for optimum utilization of electronic data processing systems for State government." (Section 11721).

The need for comprehensive planning is also recognized by the Department of Finance (DOF). In its January 1979 report to the Joint Legislative Budget Committee on the significant issues which appear to be limiting the State's effective use of electronic data processing technology, DOF concluded that "A State EDP master plan is needed which provides departmental guidance based upon the current environment, departmental needs, and overall state EDP objectives."

Finally, the Governor supports the effective use of electronic data processing. In his recent Inaugural Address of January 8, 1979 he stated "we are in the midst of an information revolution that draws its center from the computer and communication industries of California . . . the challenge will be to use the new tools to . . . make government leaner as it becomes more effective."

IV. DATA PROCESSING IN THE EXECUTIVE BRANCH  
OF STATE GOVERNMENT

#### IV. DATA PROCESSING IN THE EXECUTIVE BRANCH OF STATE GOVERNMENT

We reviewed data processing in the Executive Branch by identifying applications in the selected State agencies which use the Teale Data Center and the seven other State computer centers previously described. We collected detailed data processing and budgetary information relative to each application by requesting each user to respond to a Detailed Application Questionnaire. The information collected from each Detailed Application Questionnaire (Appendix A) was used to develop our conclusions regarding the potential for consolidating data processing applications in the State. Appendix A provides instructions on how to complete the questionnaire and interpret the coded information.

The Inventory of Applications Report is a 1200 page document providing the technical and budgetary information in agency order for each application. The applications include production systems, as well as systems in the development process. The Inventory of Applications Report is available through the Auditor General's Office. The Agency and Application Report (Appendix B) lists each organizational unit and its applications in alphabetic order. The Generic Type Report (Appendix C) groups the agency applications by the generic type assigned by each user. This provides a means of locating applications with similar objectives as defined by the generic type.

We conducted a test of selected responses to the Detailed Application Questionnaires and found that the agencies made a conscientious and reasonable effort in completing the questionnaires. However, the accuracy of the information varied from agency to agency depending upon the quantity and quality of the information the agencies maintain.

### Applications Priority

According to the agencies, a substantial majority of existing and soon to be developed EDP applications are valuable to meeting agency objectives. This statement is based upon questionnaire responses concerning the funding priority for each application. Exhibit IV on the following page shows the actual distribution of the funding priorities. The first four funding priorities, ranging from "required by law" to "contributes to agency operations," were established by the responding agencies for 96 percent of the applications reviewed.

### Executive Branch EDP Costs

For the agencies included in this study, the total cost of data processing service approximates \$93 million, as shown previously in Exhibit II. The agencies are expending a substantial portion of their data processing budget at the eight computer centers on the development of new applications, i.e., 17 percent of the total costs and 20 percent of the personnel costs. This indicates a considerable and continuing expansion of data processing.

The distribution of costs among the various categories substantiates a trend in data processing costs. Personnel costs represent 48 percent of the total costs while computer processing and equipment-related costs represent approximately 32 percent. Exhibit V, graphically portrays this distribution for the Executive Branch, and compares it with national averages.

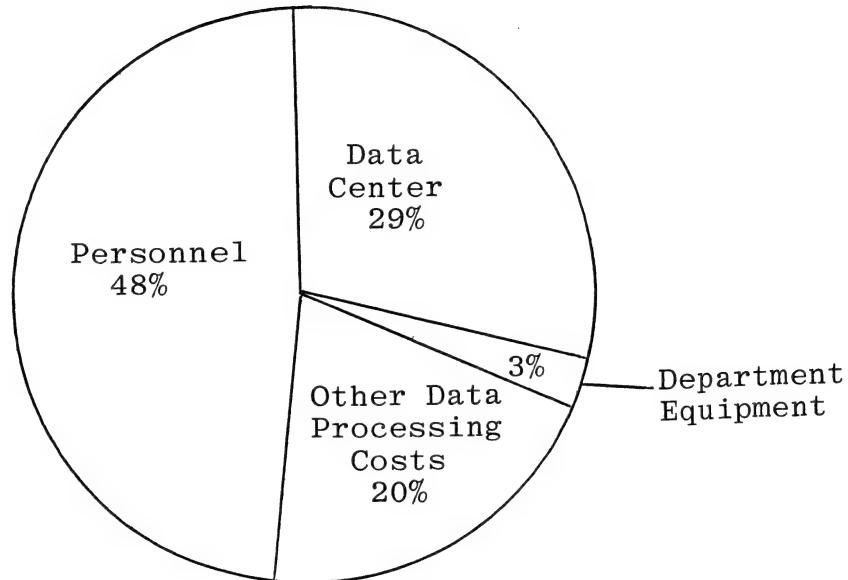
The national averages were developed in a study conducted by International Data Corporation, a leading data processing research organization, which projected 1979 data processing expenditures to be apportioned at 51 percent personnel and 38 percent equipment-related.

DISTRIBUTION OF FUNDING PRIORITIES FOR EDP APPLICATIONS

<u>Funding Priority</u>	<u>Description</u>	<u>Percent of Total</u>
1.	Required by Federal or State Law.	28%
2.	Invaluable to the Agency. Could Not Do Without.	20%
3.	High Priority. Would be Difficult To Do Without.	25%
4.	Routine Priority. Application Contributes to Agency Operations.	23%
5.	The Application is Nice to Have But Could Be Done Without.	3%
6.	Of Little or No Value. Application Could Easily Be Done Without.	0%
	Invalid Responses	<u>1%</u>
		100%

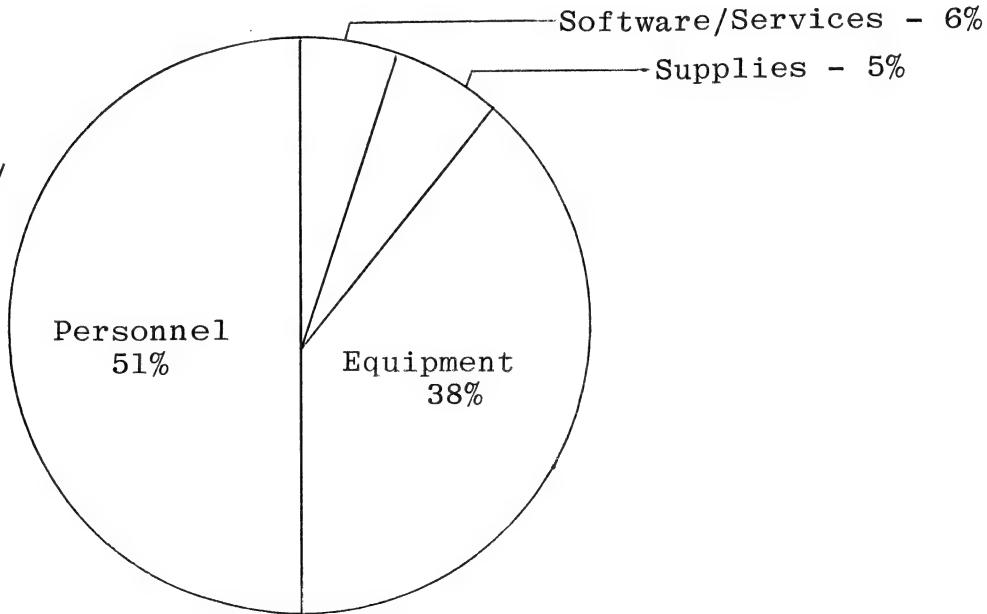
DISTRIBUTION OF DATA PROCESSING COSTS

State Executive Branch 1/



1/ Source: Detailed Application Questionnaire Corrected Cumulative Totals

Projected 1979 National Average 2/



2/ Source:  
International Data Corporation

A substantial amount of State funds is spent on service bureau and time-sharing services. Exhibit VI on the following page shows the FY 78/79 budgeted computer service bureau and time-sharing charges by organization.

Transferability of Applications

The use of higher level programming languages such as COBOL places the State in the position of having a high degree of transferability among data centers. Exhibit VII, following Exhibit VI, shows that most applications are written in COBOL or other higher level languages such as Mark IV, FORTRAN IV, and PL1. The use of these languages enhances the portability of applications among Executive Branch computer centers.

BUDGETED SERVICE BUREAU AND TIME-SHARING EXPENDITURES

<u>Executive Branch Agency/ Department</u>	<u>Expenditure</u>	<u>Service Center</u>	<u>Type of Service</u>
Education	100,000	Stanford	SB
Secretary of State	360	California Computer Service	SB
Finance	10,000	ADP Network	SB
General Services	2,500	Benetech	SB
	2,400	Research Inc.	SB
Conservation	1,000	U.C. Berkeley	SB
	10,000	U.C. Berkeley	TS
California Energy Comm.	40,000	Control Data Corp.	SB
Housing & Community Development	15,000	U.C. Davis	SB
	10,000	Service Bureau Corp.	SB
Forestry	1,425	San Juan Unified S.D.	SB
	6,480	U.S. Dept. of Agriculture	TS
P.U.C.	90,000	CDC Cybernet Service	SB
California Student Aid Commission	7,800	John Waddell & Co	SB
Savings and Loan	8,000	National CSS, Inc.	SB
	7,500	Remote Computing Corp.	SB
Cal Trans	11,000	SREA Market Data Center, Inc.	TS
	34,000	Lawrence Berkeley Lab	SB
	35,000	Tymshare, Inc.	TS
Development Disability	4,923	U.C. Berkeley	SB
	13,150	Lawrence Berkeley Lab	SB
	2,000	U.C. Berkeley	TS
	8,767	Lawrence Berkeley Lab	TS
Water Resources	20,000	Cybernet	SB
Board of Medical Quality Assurance	75,000	Optimum Data	SB
Food and Agriculture	32,516	U.C. Davis	SB
	975	John Waddell & Co	SB
Employment Development Department	25,000	Stanford Center	SB
	25,000	Lawrence Berkeley Lab	TS
Health Services	<u>26,300</u>	U.C. Berkeley	SB
	<u>\$626,096</u>		
Employment Development Department - L.A./ Orange Job Bank	\$ 2,000,000	SDC Develop. Corp.	SB
Employment Development Department - San Diego Job Bank	90,000	San Diego Univ. Foundation	SB
Health Services - Medi- cal Claims Payment	<u>17,200,000</u>	Medical Intermediary Oper.	SB
	<u>\$19,290,000</u>		
Total Service Bureau Expenditures	\$19,817,822		
Total Time Share Expenditures	<u>98,274</u>		
Total SB and TS Expenditures	<u>\$19,916,096</u>		

PROGRAM SOURCE LANGUAGE DISTRIBUTION

<u>Source Language</u>	<u>Number of Applications</u>	<u>%</u>
COBOL - American National Standard (ANS)	775	65%
Mark IV	78	7%
FORTRAN IV	47	4%
PL1	42	4%
COBOL - Other COBOL Compilers	41	3%
ASSEMBLER - UNIVAC/RCA Spectra	31	3%
RPG	30	3%
FORTRAN (CDC)	29	2%
ASSEMBLER - IBM 370/360 & Amdahl	26	2%
SYNTAX II	18	1%
FORTRAN H	15	1%
Proprietary - Not Available to User	9	1%
SYNTAX I	8	1%
RPG II	3	0%
BASIC	2	0%
TPL	1	0%
FORTRAN (Burroughs) - ANS 1966	1	0%
AUTOCODER - IBM 7074	1	0%
INCOMPLETE DATA	<u>34</u>	<u>3%</u>
	1,191	100%

V. STUDY RESULTS

## V. STUDY RESULTS

### A. THERE IS LITTLE STATEWIDE COMPREHENSIVE EDP PLANNING, COORDINATION AND COOPERATION

#### Current Status

Data processing planning among the organizations studied essentially is limited to annual departmental Information System Plans (ISP). These organizational plans are submitted to the Department of Finance and are required annually as part of the budgeting process. There is no current comprehensive statewide long range master plan as mandated by the Legislature in Government Code Section 11700 et seq. The most recent statewide Long-Range Master Plan for Electronic Data Processing was published in May 1970. While it was valuable in its own time, it has been outdated by changes in State government and EDP technology.

State government has changed such that existing legislation concerning data processing is no longer being complied with. The Office of Management Services has been disbanded. The State Electronic Data Processing Policy Committee is no longer functional and the agency designations for the four data centers do not correspond to the State's current organization. The State Data Processing Management Office has assumed some of the roles of the Office of Management Services. However, the Legislature has not assigned it the responsibility to prepare and continually update a statewide Master Plan for EDP.

#### Conclusion

A statewide EDP planning and coordination effort is needed. The coordination needed to minimize redundant effort and duplicate applications development can be achieved through a

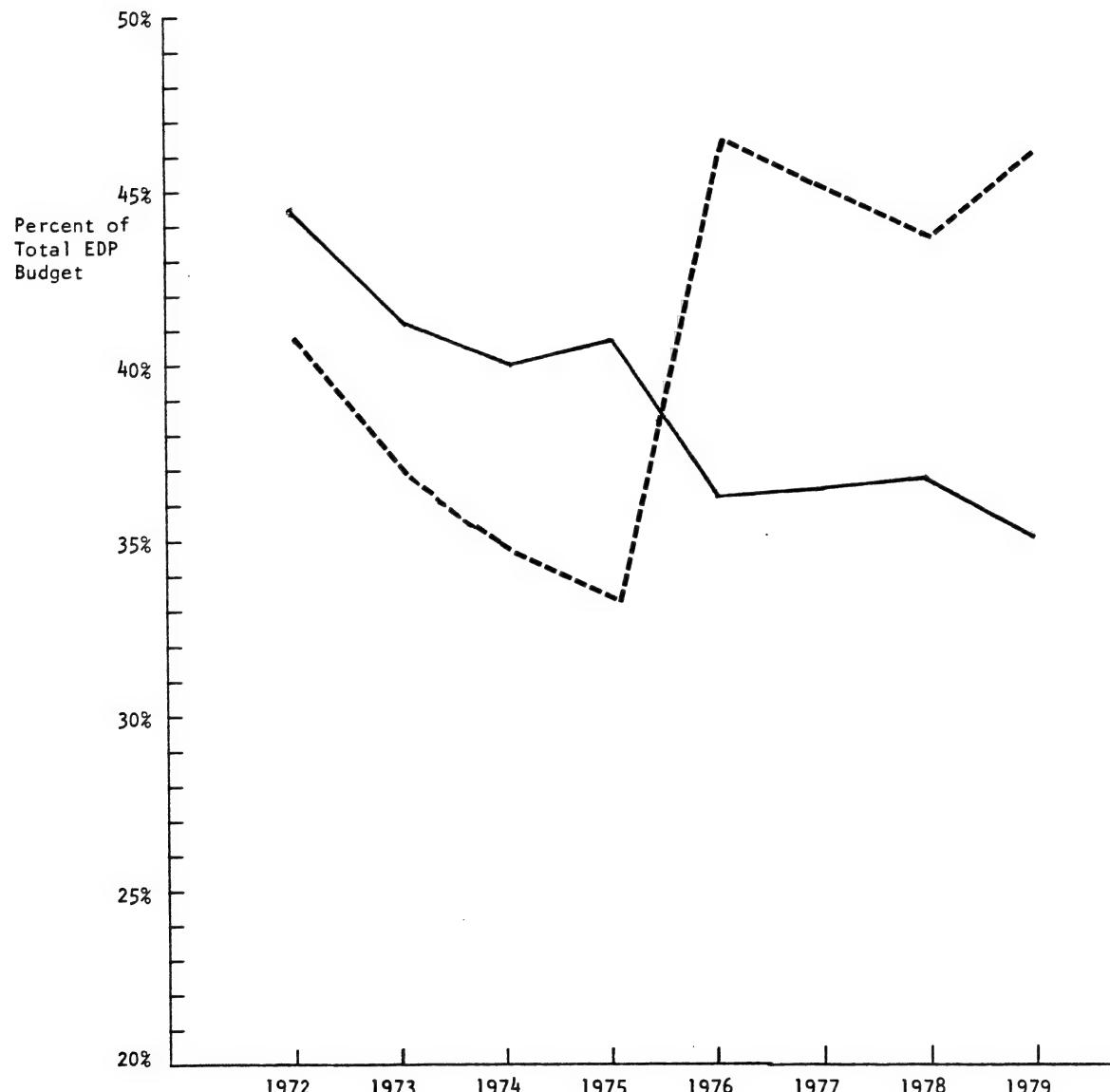
thorough and continuous planning activity. Because personnel-related costs represent the largest proportion of EDP costs, coordination is vital to achieving the most cost effective use of data processing. Exhibit VIII on the following page illustrates the relationship between computer equipment costs and personnel costs. Exhibit IX, following Exhibit VIII, portrays the cost reduction history of selected common IBM computers.

Recommendation: Establish a Statewide Data Processing Planning and Coordinating Organization

In order to maximize utilization of personnel and computer resources the Legislature should establish a statewide data processing planning and coordinating organization. The scope of this study did not include all of the data processing users within the State nor a review of all the relevant issues for such an organization. Therefore, we do not have sufficient information to recommend the specific form of such an organization. However, we do envision an organization consisting of agency-level personnel who would, through this group, coordinate data processing applications in their respective agencies. An executive of sufficient standing in government should head this organization which would meet regularly and function as a steering committee, setting objectives for the effective use of data processing in the State. One of the first objectives should be to establish guidelines and procedures to minimize redundant application development. We believe the Inventory of Applications Report could be used as a means of identifying applications similar to those being considered for development.

The planning and coordinating organization should develop a comprehensive master plan for data processing and update it annually.

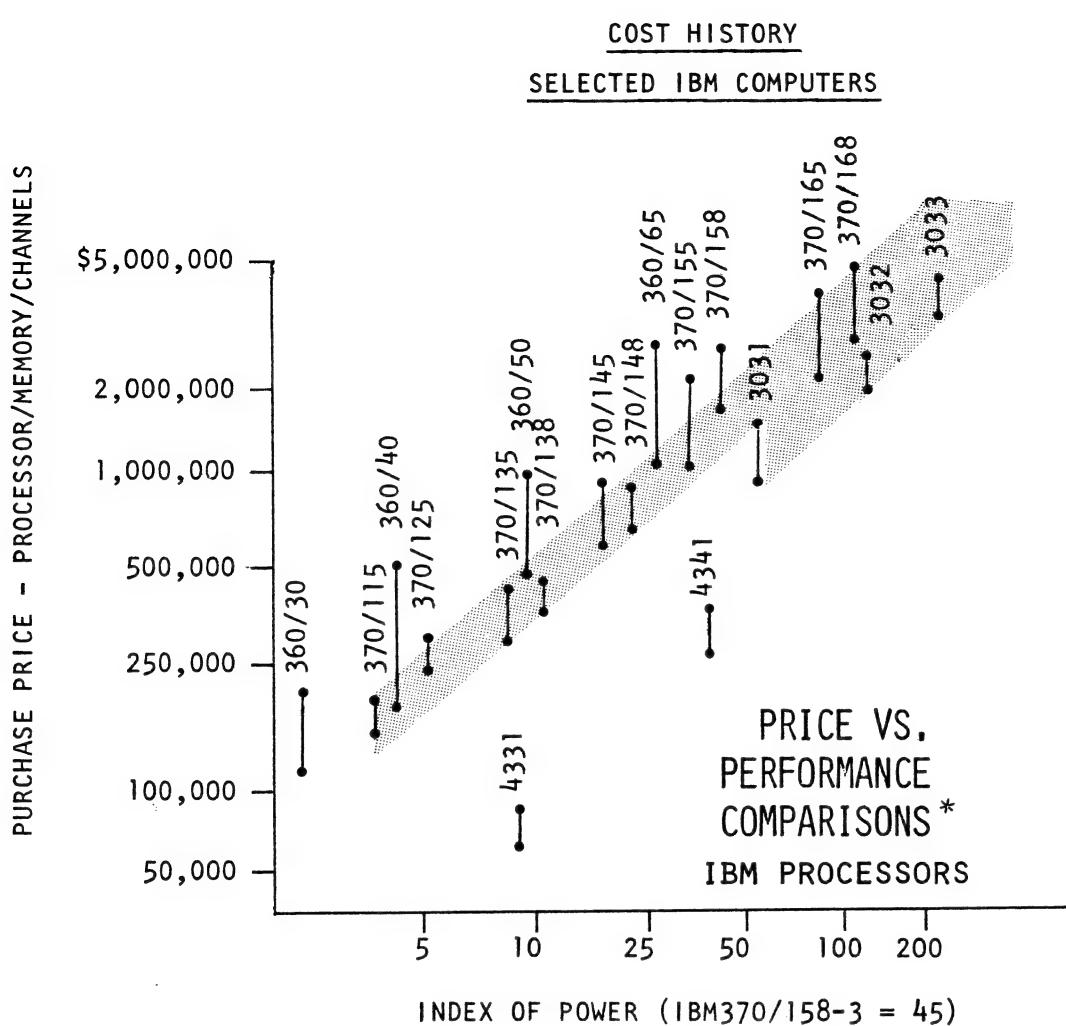
USER SPENDING  
COMPUTER EQUIPMENT COMPARED TO PERSONNEL  
1972 - 1979



Key

Personnel Costs - - - - -  
Computer Equipment Costs \_\_\_\_\_

SOURCE: International Data Corp.

Actual Cost Reduction History

AUXILIARY DISK STORAGE			COMPUTER MEMORY		
Model	Year Announced	Characters Per \$1	Model	Year Announced	Price Per Million Characters
2311	1964	300	360/30	1964	\$2,000,000
2314	1965	1,300	360/65	1965	1,500,000
3330-SD	1970	3,800	Sys/3-10	1969	1,000,000
3340	1973	5,000	370/155	1970	600,000
3330-DD	1973	5,300	370/135	1971	640,000
3344	1975	11,300	370/155	1973	300,000
3350	1975	12,800	5100	9/75	180,000
3370	1979	24,400	MOS	5/76	170,000
			Series/1	11/76	120,000
			MOS (cut)	3/77	110,000
			S/1	4/77	74,000
			8140	10/78	50,000
			8130 (64K)	10/78	18,000
			MOS (cut)	12/78	75,000
			Sys/38 (64K)	10/78	20,000
			4300 (64K)	1/79	15,000

FIGURE 1.

SOURCE: International Data Corp.

\* Note the difference in price and power over the last fifteen years as demonstrated by the IBM 360/30 and 4331 computer. The 360/30 in 1964 cost approximately \$200,000 with a power index near 2, while the 4331 in 1979 cost approximately \$75,000 and has a power index of approximately 9.

Recommendation: Maintain the Inventory of Applications

In order to ensure that the Inventory of Applications Report resulting from this study is maintained, the Department of Finance should update it through the Information Systems Plan and budgeting processes. As part of its first update, a short narrative of each application should be added to the inventory file.

B. CAPACITY LIMITATIONS MAKE IT IMPRACTICAL TO USE THE TEALE DATA CENTER TO PROCESS APPLICATIONS CURRENTLY PROCESSED ON OTHER COMPUTERS

Current Status

A prime objective of the Teale Data Center (TDC) is to economically maintain the level of data processing service required by its users. Sufficient system capacity is necessary if this objective is to be met. Unfortunately, TDC is currently in a situation where its system capacity has been reached. If there is an increase in workload, certain critical user-defined service objectives would not be met. This assessment is evidenced by the current status of three measures of level of service.

(1) Batch Job Turnaround

Batch jobs consist of applications which are "batched" for processing because their effectiveness does not require an immediate response. Typically, such applications depend on "turnaround" within an hour or two of submittal. When turnaround time becomes excessive, personnel productivity decreases.

Exhibit X on the following page is a history of batch turnaround at TDC from January 1976 through January 1979. Although several hardware and software improvements have been made, the gradual deterioration in service continues. This results in a greater expense to the State because of the ineffective use of its most costly data processing resource--people.

(2) Customer Information Control System (CICS) Response Time

CICS is a telecommunications system supplied by IBM which provides the user with a means to perform on-line, transaction-oriented processing. The important feature of an on-line system is the ability to enter and retrieve data instantaneously. The time that it takes to receive a response from the system once it has been entered is called the response time.

The State Controller's Office tracked the response time in its Personnel Information Management System (PIMS) which is run at Teale. There is a 5-7 day cut-off each month that is critical to updating Employment History data. In order to make full utilization of the personnel entering the data a 15-second or less response time is required. During the months of September 1978 and January 1979, the Controller's response times for cut-off were as follows:

SERVICE LEVEL HISTORY FOR BATCH PROCESSING  
AT THE TEALE DATA CENTER

<u>Year</u>	<u>Day Shift Jobs Processed</u>	<u>Turnaround Hours</u>
Jan 1976	39,801	1.98
Feb	35,303	2.15
Mar	46,251	1.67
Apr	35,570	2.02
May	32,166	2.30
Jun	34,741	2.58
Jul	33,577	2.55
Aug	35,576	2.13
Sep	33,955	2.47
Oct	34,274	2.45
Nov	35,552	1.83
Dec	40,182	1.76
Jan 1977	43,500	2.77
Feb	39,546	3.15
Mar	47,115	2.09
Apr	42,709	2.17
May	44,041	2.39
Jun	48,730	3.03
July	40,213	3.44
Aug	49,454	2.95
Sep	41,798	4.38
Oct	Figures were not collected for these months	
Nov		
Dec	49,276	10.38
Jan 1978	52,403	8.53
Feb	45,833	8.37
Mar	64,429	5.01
Apr	56,231	4.92
May	58,702	4.63
Jun	58,224	4.71
Jul	50,298	5.55
Aug	61,905	4.72
Sep	54,805	5.14
Oct	59,272	5.31
Nov	53,749	5.64
Dec	52,077	4.98
Jan 1979	62,168	5.04

Table 1

<u>Date</u>	<u>Number of Transactions</u>	<u>Response Time in Seconds</u>
9/18	29,705	10.66
9/19	33,930	10.69
9/20	34,577	14.72
9/21	34,716	16.12*/ 9.09
9/22	34,756	
1/15	23,551	21.50
1/16	24,653	23.54
1/17	27,372	19.85
1/18	27,112	24.99
1/19	28,560	11.47

\*/ Service to batch jobs was curtailed this date to ensure response time for PIMS.

When the response time becomes excessive, time is wasted waiting for the response and the even pace of work is interrupted. Again, this increases the cost for personnel by decreasing productivity.

TDC is currently taking steps to improve this response time; however, the continued workload growth makes this effort a continuing process.

### (3) Time-Sharing Option (TSO) Response Time

TSO is an option IBM supplies that is a productivity aid for computer programmers. It allows them to develop and submit computer programs quickly by using an on-line terminal. Excessively long TSO response time has a direct bearing on programmer productivity. As the response time increases, the programmer's productivity decreases.

The response time for TSO has gradually deteriorated as shown by the following table of day shift TSO processing.

Table 2

<u>Month</u>	<u>Number of Sessions</u>	<u>Terminal Connect Hours</u>	<u>Average Response Time (Seconds)</u>
May	16,602	5,861	3.94
June	16,318	6,018	4.07
July	14,741	5,424	4.56
August	18,378	6,576	4.12
September	16,934	5,606	4.20
October	19,263	6,218	4.21
November	17,231	5,727	5.41
December	17,225	5,986	5.29
January	22,161	7,891	5.29

The workload growth at TDC is continuing. The following projected growths are based on the 1978-79 Fiscal Year, user forecasts and actual usage for the first quarter of 1978. It is estimated that usage will increase by the following proportions:

<u>Type of Process</u>	<u>Annual Increase</u>
Batch	14%
CICS	30%
TSO	36%

Result of Reaching Current System Capacity at Teale

The State Data Processing Management Office published a memo to all TDC Users in February 1979 severely limiting new or additional services. This occurred because dayshift usage had reached capacity and existing processing that could be run at night or on weekends had already been transferred. Major service improvements will not occur until an additional computer is installed in October 1979.

## Conclusion

TDC has reached its current capacity. User service objectives cannot continue to be met and the level of service is continually deteriorating as the workload increases. Therefore, it is not practical to use TDC to process applications currently being run on other State computers. Furthermore, it has been estimated that the current limitation for new applications development will cause usage to sharply escalate when the new development ban is withdrawn. Such occurrences are likely when demand is curtailed by artificial means.

Recommendation: To Preclude Further Curtailment of Data Processing Capability, the State Should Transfer Applications to Computers with Available Capacity

To ensure continued availability of computer resources the State should:

- . Develop a statewide master plan which could preclude any State computer center from curtailing operations due to capacity limitation
- . Provide contingency plans which could be used to smooth the effects of unanticipated demand.

## C. CONSOLIDATION CAN BE ACCOMPLISHED AT OTHER COMPUTER CENTERS

### Current Status

In addition to the Teale Data Center, seven other computer centers were included in our study. Findings and recommendations concerning the potential for future consolidations at the

Franchise Tax Board are discussed subsequently under this heading. The Board of Equalization, and the Department of Water Resources computer centers are addressed in subsections E and F, respectively. Additional consolidation, not already planned, does not appear warranted for the other computer operations, i.e., the Health and Welfare Agency Data Center, and the computers used at the Office of the Controller, Department of Motor Vehicles and the Public Utilities Commission. An overview of the current status of these other four organizations is provided below.

- The Health and Welfare Data Center is in the process of consolidating all of that agency's applications within this one center. Consequently, consolidation is well underway at that agency.
- The Payroll application processed at the Office of the Controller is scheduled for consolidation into the Teale Data Center.
- The Department of Motor Vehicles (DMV) has sufficient data processing activity to warrant a departmental computer center. Furthermore, DMV is in the process of consolidating its computer communications activity with certain Department of Justice applications.
- The Public Utilities Commission (PUC) computer is a relatively small machine. Conversion of applications processed on that computer to one of the State data centers would require personnel costs and a remote satellite processor at PUC, which, in all probability, would not be unlike the small computer already functioning. Therefore, consolidation does not seem warranted.

With regard to the Franchise Tax Board (FTB), it is organizationally within the State and Consumer Services Agency and operates an Amdahl 470/V5 equipped computer center. This center requires approximately 126 measurable CPU hours per month to process its work. Its current workload is approximately fifty percent of processor capacity (based on the current 3-shift per day, 5-day per week schedule). The computer in use at the

Franchise Tax Board is compatible with Teale's IBM computers and is rated as having slightly greater performance capabilities than the IBM 370/168 computer used by Teale.

The FTB computer center also serves non-FTB users on a contract basis. In fact, it provides more than half of the data processing for the Department of Consumer Affairs. However, virtually all of the other data processing for the State and Consumer Services Agency is performed by the Teale Data Center.

### Conclusion

A high degree of compatibility exists between the computer used at the Teale Data Center and the Franchise Tax Board. Because TDC is at capacity and the Franchise Tax Board has unused computer capacity a transfer of applications from TDC to the Franchise Tax Board computer would benefit the remaining users of TDC as well as the users transferred to the FTB. The transfer also would utilize available computer capacity more effectively.

Recommendation: Transfer State and Consumer Services Agency Applications from TDC to FTB

The State and Consumer Services Agency (SCSA) accounts for approximately 10 percent of the applications processed at TDC. Because the Franchise Tax Board is placed organizationally within the SCSA, the agency's applications processed at TDC are the most logical candidate for transfer and should be transferred to the FTB computer center.

Our preliminary analysis shows that the project is feasible and may benefit the State. We estimate that the program conversion effort would cost approximately \$150,000. Additional equipment and software will be required.

We do not believe that this equipment and software will cause the total cost of transfer to exceed a one-time cost of \$500,000. However, the effect on processing turnaround and response time to Teale users and those transferred should be significant. If this improvement in response time and turnaround causes as little as a one percent personnel productivity increase, that increase alone would be worth \$200,000 annually to the State.

D. A STATE AND CONSUMER SERVICES AGENCY CONSOLIDATED DATA CENTER APPEARS WARRANTED

We previously reported that the Franchise Tax Board and the Teale Data Center computers have a high degree of compatibility. In order to equalize processing load and more fully utilize available computer capacity, we recommended that the SCSA applications be transferred to the Franchise Tax Board computer. We also reported previously that there is insufficient planning and coordination of EDP activity within the State.

Recommendation: The Franchise Tax Board Computer Center Should Become the State and Consumer Services Agency Data Center

Establishing a data center at the agency level should provide additional benefit to the departments within the agency. The Agency Secretary would have control and accountability for the data processing resources necessary to support the programs under his/her control. Agency control would facilitate data processing planning and coordination which, in turn, should improve personnel productivity by reducing redundant effort and duplicate applications development activity.

E. FUTURE CONSOLIDATION OF THE BOARD OF EQUALIZATION COMPUTER  
CENTER INTO ANOTHER CENTER APPEARS FEASIBLE

Current Status

The Univac Series 70 computer equipment operated by the Board of Equalization (BOE) was originally designed by RCA Corporation to be application program compatible with IBM computers. BOE does not maintain a computer utilization and billing system. Based on the utilization figures available, it appears that the BOE computers are operating at approximately 50 percent capacity. However, BOE projects its computer use will be at capacity in the early 1980's.

Conclusion

Because the Board of Equalization uses older technology, but compatible computers, and has sufficient capacity to accommodate its needs through the early 1980's, it could be considered for consolidation at a later date. Consolidation at this time seems unwarranted because Teale, the Franchise Tax Board, and the Health and Welfare Agency Data Centers are either at capacity or will be in process of a planned consolidation activity. Consequently, in our judgement consolidation of the Board of Equalization computer center into one of the previously mentioned centers should be postponed.

Recommendation: In the Early 1980's Consider the Board of  
Equalization for Consolidation into One of the  
Other Data Centers

At a later date, as the Board of Equalization computer center nears its capacity, and as technological advances renders its computers obsolete, it should be considered for consolidation into one of the other data centers.

F. A TIME-SHARING COMPUTER CENTER IS NEEDED

Current Status

The Teale Data Center conducted a feasibility study to determine if a statewide time-sharing computer system is needed. That study revealed that the State uses considerable time-sharing computer resources to develop new applications and to process various other time-shared applications. We determined during this study that 18 of the 47 agencies use time-sharing/service bureau computer centers. Excluding Medi-Cal processing and two southern California Job Bank applications, the State incurs annual costs of \$626,096 for these services.

The Teale study also states that the State's TENET time-sharing system is overloaded and can not be readily expanded or backed up because it is a one-of-a-kind system and lacks vendor support due to the bankruptcy of the TENET Company.

The application inventory compiled during this study shows a significant amount of non-time-shared scientific and engineering applications are processed by the computer centers studied. This processing, according to 1978/79 processing estimates, will cost the State approximately \$4 million this year. The Department of Water Resources and the Department of Transportation are the largest processors of scientific and engineering applications in the Executive Branch. Frequently such applications can be processed more efficiently and with more accuracy on the high-precision computation architecture computers typically used by many commercial time-sharing services. However, this information was not available to Teale and, thus, the scientific and engineering applications were not included in its study.

The Department of Water Resources (DWR) operates an older generation Control Data 3300 computer system for its own use and

for the use of others in the Resource Agency. Because of obsolescence and an estimated capacity shortage, DWR is conducting a feasibility study to obtain a new computer.

### Conclusion

The feasibility study conducted by Teale and our own analysis discloses a need for a statewide time-sharing computer service. Teale's feasibility study, as approved by the Department of Finance, provides for a time-sharing service based upon two computer architectures. One architecture is to be IBM-compatible and the other is to be high-precision, computational in nature, typical of many commercial time-sharing services. Because many scientific and engineering applications often can be more efficiently processed on computers with a high precision computational architecture, those applications should be included in the study.

The fact that the Department of Water Resources is seeking additional computer capability and it is one of the largest processors of scientific and engineering applications, it appears warranted to include DWR's requirements in the State's time-sharing computer requirements.

Recommendation: Supplement the TDC Time-Sharing Feasibility Study to Include the Scientific and Engineering Applications

The Department of Finance should supplement the previous time-sharing study to include considerations of processing scientific and engineering applications at the time-sharing center. The supplemental study should specifically include the computer requirements of the Department of Water Resources. The DWR computer facility may be an appropriate center at which to establish a statewide time-sharing computer center.

G. THERE IS A POTENTIAL TO DEVELOP CONSOLIDATED APPLICATIONS

Current Status

The applications subject to this study were grouped according to the generic type which most closely corresponds to the purpose and function of the application. Appendix C lists applications by generic type and department. Analysis of this list shows that there have been multiple applications developed which have similar or closely related purposes. Additionally, a number of the applications included in Appendix C are currently under development. Some of these are of the same generic type and may be closely related, functionally. For example, the Personnel Information Management System (PIMS), which is under development, is to be a common inter-agency personnel system. However, in excess of \$1 million is budgeted in 1978/79 for new applications development by various departments for personnel-related applications.

Conclusion

It is possible to consolidate existing implemented applications. However, to do so would require further study to determine the specific differences and requirements of each department in order to include these capabilities into a common system. Such a study and the ensuing program modification activity would use personnel resources to re-implement, on a consolidated basis, applications which are currently operational. In our judgement, this does not appear to be cost-effective as only minimal savings for application maintenance would accrue.

However, applications which are under development and are of a similar purpose may be consolidated. Development of consolidated applications could result in significant personnel cost savings. Personnel costs related to new applications

development for 1978/79 are estimated to be approximately \$7 million. A small increase in productivity or corresponding reduction in personnel could yield substantial savings to the State.

Recommendation: Evaluate Applications Under Development for Potential Consolidation

An EDP planning and coordinating function should be established to facilitate inter-departmental development of common applications. Our recommendation earlier in this report regarding planning and coordination covers this point. In the interim, the State Data Processing Officer should meet with the project management of those applications under development which appear to have development consolidation potential.

The State Data Processing Officer should determine whether the application can be consolidated and, if the departments agree, assist in establishing a joint development effort for the applications involved.

The generic types of applications which are under development and may be consolidation candidates, are shown in Exhibit XI on the following page.

H. APPLICATIONS OF LITTLE OR NO VALUE SHOULD BE ELIMINATED IF NOT JUSTIFIED

Current Status

A number of agencies indicated that certain applications are of little value. Exhibit XII, following Exhibit XI, lists these applications, which were categorized under funding priority 5, "The application is nice to have but could be done without", and funding priority 6, "Of little or no value, application could easily be done without." The total estimated cost for these forty applications is \$301,000.

GENERIC TYPES OF APPLICATIONS WITH  
POTENTIAL FOR CONSOLIDATION

Affirmative Action Reporting  
Personnel - Training Reporting  
Personnel - Personal Profits/Skills Register (exclude Job Bank)  
Personnel - Position Control  
Pensions - Contract & Employer Accounting  
Case/Client Reporting  
Program Effectiveness Evaluation (except CFIS)  
Investigative Support  
Inventory Control and Distribution  
Manufacturing Production Scheduling and Control Continuous Process  
Order Processing  
Property Maintenance  
Vehicle Fleet Maintenance  
Vehicle Maintenance System  
EDP Billing  
Special Service Billing  
Accounts Payable  
Accounts Receivable  
Financial Forecast  
Overhead Allocation  
Project Management and Budgeting  
Property Inventory  
Actuarial

APPLICATIONS OF LITTLE VALUE

HIGHWAY PATROL	MANAGEMENT TEAM SURVEY STORES & EQUIPMENT INVENTORY ST PERS BD IN-SERVICE TRNG INFORMATION & EDUCATION ACTIV CHP CADET PERSONNEL QUES. SURV. LINEAR PLOT OF EMPLOYEE RESP. CHP MONTHLY MAGAZINE LABELING
PARKS AND RECREATION	MT/ST TAPE PROCESSING
PUBLIC UTILITIES	CHARTER PARTY CARRIER FILE PUBLIC AFFAIRS KEYPUNCH PERFORMANCE STOCKROOM INVENTORY FUEL AVAILABILITY REPORTS
REAL ESTATE	DRE MAILING LIST SYSTEM
TEACHERS RETIREMENT SYSTEM	VERIFICATIONS SYSTEM VALUATION SYSTEM
TRANSPORTATION	DUPLICATE ACCIDENTS PROJ DEVELOPMENT MAN YR SCHEDU LAND SURVEYS MAP INDEX SELECTIVE RECORD MODIFICATION CARBON MONOXIDE SAMPLY SURVEY INDEX OF CONSTRUCTION CONTRACT EMERGENCY RENTAL EQUIP CAL LST CORRECTION FOR EAS NOT MAS FIL STATUS OF CONSTRUCTION PROJECT ACCIDENT INDEX REPORT WRITTEN WORKING DAYS CALENDAR PAYROLL WARANT REGISTER FEDERAL SYST. SMALL STUDIES PROJECT DEVLP.-TRAINING USERS BRIDGE COST ANALYSIS COST ESTIMATE PRINT ACCOUNTING BATCH PROCESS COMPARABLE MARKET DATA RECREATIONAL USE GAS TAX SURV.
WATER RESOURCES	LAND CLASS AND USE WELL LOGS INFORMATION ADDRESS LABEL SYSTEM
MENTAL HEALTH	COMPUTER PROGRAM INVENTORY
CONSUMER AFFAIRS	INSPECTION STATUS

### Conclusion

The forty EDP applications mentioned above represent potential unnecessary data processing effort. The elimination of these applications could save the State \$301,000.

Recommendation: The Organizations Responsible for the Applications Should be Asked to Justify or Eliminate Them.

VI. WRITTEN RESPONSES TO THE REPORT

**DEPARTMENT OF FINANCE**  
SACRAMENTO

- State Data Processing Management Office  
1025 P Street, Sacramento, Ca 95814



APR 25 1979

File No.: DJM-79-58

Mr. Thomas W. Hayes  
Acting Auditor General  
Joint Legislative Audit Committee  
925 L Street, Suite 750  
Sacramento, CA 95814

Dear Mr. Hayes:

Thank you for the opportunity to comment on your draft report "Review of Data Processing Usage in the State of California", dated April 12, 1979. We believe your findings on potential consolidation of application software and the list of applications of little or no value will be particularly useful. (Findings G and H.) We will act immediately to take advantage of them. Our comments on Findings A through F follow.

A. "THERE IS LITTLE STATEWIDE COMPREHENSIVE EDP PLANNING, COORDINATION AND COOPERATION"

It is true that there is no formal statewide EDP master plan. Your report did not reflect any serious consequences of this fault. We believe there has been a great deal of EDP planning and cooperative effort. Provided in Attachment one is a list of major EDP activities accomplished or underway. You should be aware that our Information System Plan, prepared by every State entity subject to Section 4 of the Budget Act, provides us with a projection of departmental EDP activities for two years. As an aside, we have been developing a more structured means of EDP planning to include guidance for inclusion in the State Administrative Manual. It is now in coordination and is due for publication by July 1, 1979. This will lead to an appropriate and well-coordinated statewide EDP master plan. This was reported to the Legislature in January 1979. We note your report refers to Government Code 11721 as mandating a State Electronic Data Processing Policy Committee. This Committee ceased to exist on January 1, 1971.

B. "CAPACITY LIMITATIONS MAKE IT IMPRACTICAL TO USE THE TEALE DATA CENTER TO PROCESS APPLICATIONS CURRENTLY PROCESSED ON OTHER COMPUTERS"

A procurement is underway to acquire additional computing power for the Teale Data Center by October 1979. Please note that serious capacity problems are encountered only on prime shift. Ample capability exists to process urgent work on second and third shifts. Attachment two is a projection of the Teale workload on prime shift. We note that only twice in the past year has TDC failed to meet the State Controller's standard response time of 15 seconds. You should also be aware that the Teale Data Center, as well as others, have been requested to prepare conceptual plans for five years for both facilities and equipment. Also, last fall TDC requested that plans for new State facilities include provision for a computing center to meet expanding needs.

C. "CONSOLIDATION CAN BE ACCOMPLISHED AT OTHER COMPUTER CENTERS"

Based upon projected computing workloads at the Teale Data Center, we see no need to spend the estimated \$500,000 to convert Consumer Services Agency applications to run at the Franchise Tax Board. We are also not positive that your estimate of available computer time at the FTB is accurate. For example, for those computers that are used for "on-line" processing, it is not unusual to find they have excess capacity when evaluated on a 24-hour basis. When viewed on a prime shift basis, the picture is often quite different. Computing resource are required when people are working. Also, a number of our centers, such as FTB and Board of Equalization, are subject to seasonal peaks. Processing support for other users cannot be guaranteed during these periods. These issues, plus the vital role of the FTB and BOE in view of the declining ratio of equipment to personnel costs, mitigate against concentrating upon optimum use of computing equipment.

D. "A STATE AND CONSUMER SERVICES AGENCY CONSOLIDATED DATA CENTER APPEARS WARRANTED"

This recommendation requires more study and coordination between the FTB and the Agency. We are not sure that the Agency has the management control over the FTB as implied by your report due to the statutory role of the FTB.

E. "FUTURE CONSOLIDATION OF THE BOARD OF EQUALIZATION COMPUTER CENTER INTO ANOTHER CENTER APPEARS FEASIBLE"

We concur. At such time as the BOE requires a replacement computer, this alternative will be evaluated. We are of the opinion, however, that the BOE is now functioning efficiently in carrying out a vital State process -- collecting taxes. We are, of course, concerned with good equipment utilization, but that is not the priority issue or the high cost item from a program view.

F. "A TIME SHARING COMPUTER CENTER IS NEEDED"

We agree. What you have recommended is underway. The planning installation date is December 1979 or January 1980, depending upon site readiness.

We look forward to receiving your final report. Meanwhile, we are initiating steps to explore the potentials for eliminating redundant application software and useless reports. Please provide us with the list of reports you obtained so that we may evaluate the cost and benefits of maintaining it for future use.

Sincerely,

*D. J. Metzker*  
D. J. Metzker  
State Data Processing Officer  
DJML86:em  
cc: Chuck Gocke, DOF

## MAJOR PROJECTS

INFORMATION SYSTEMS

		<u>STATUS</u>
SCO	- PAY AND PERSONNEL	PARTIAL
PERS	- PAY AND PERSONNEL	PARTIAL
MEDI-CAL	- PROVIDER	COMPLETE
MEDI-CAL	- ELIGIBILITY	IN DEVELOPMENT
CHP	- MANAGEMENT INFORMATION SYSTEM	IN DEVELOPMENT
DMV	- VEHICLE REGISTRATION	COMPLETE
DMV	- ADMINISTRATIVE ADJUDICATION	IN DEVELOPMENT
DMV	- REMITTANCE PROCESSING	PARTIAL
DMV	- ON-LINE LICENSE RENEWAL	IN DEVELOPMENT
CFIS	- CALIFORNIA FISCAL MANAGEMENT SYSTEM	IN DEVELOPMENT
DOJ	- AUTOMATED FINGERPRINT	IN DEVELOPMENT
DHS	- IN-HOME SUPPORTIVE SERVICES	IMMINENT

EQUIPMENT ITEMS

FRANCHISE TAX BOARD	COMPLETE
DEPARTMENT OF JUSTICE	PARTIAL
CA STATE UNIVERSITY AND COLLEGES	UNDERWAY
DEPARTMENT OF MOTOR VEHICLES	UNDERWAY
BOARD OF EQUALIZATION	COMPLETE
TEALE DATA CENTER - ATTACHED PROCESSOR	COMPLETE
TEALE DATA CENTER - THIRD PROCESSOR	UNDERWAY
TEALE DATA CENTER - CENTRAL TIME SHARING PROCESSOR	UNDERWAY
STATE TREASURER'S OFFICE	COMPLETE
CALIFORNIA HIGHWAY PATROL	UNDERWAY
HEALTH & WELFARE DATA CENTER - SECOND PROCESSOR	COMPLETE
HEALTH & WELFARE DATA CENTER - REPLACEMENT PROCESSOR	UNDERWAY

FACILITIES

DEPARTMENT OF JUSTICE - NEW	UNDERWAY
HEALTH & WELFARE DATA CENTER - MAJOR	IN DEVELOPMENT

# MAJOR PROJECTS (CONT'D)

## MASTER CONTRACTS - CONTINUOUS

MEMORY  
DISK DEVICES  
PAGE PRINTERS

TAPE DEVICES  
REMOTE JOB ENTRY STATION  
TERMINALS

## EQUIPMENT MANAGEMENT

INVENTORY		COMPLETE
LEASE/PURCHASE ANALYSES		
TDC	\$1,564,419 PROCESSOR	COMPLETE
DMV	\$ 351,000 PROCESSOR	COMPLETE
DMV	\$ 724,909 Disks	UNDERWAY

## REFINANCING

FTB	\$ 193,676 PROCESSOR	COMPLETE
-----	----------------------	----------

EXCESS SALES	\$ 592,164	COMPLETE
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## SECURITY

PHYSICAL	COMPLETE
RECOVERY AND BACKUP	PARTIAL
ELECTRONIC	COMPLETE

## EXECUTIVE ORIENTATION

150 + PEOPLE	UNDERWAY
--------------	----------

## COMPUTER OUTPUT MICROFILM

COORDINATE WITH DEPARTMENT OF GENERAL SERVICES	
ESTIMATED SAVINGS 77/78	\$1,190,600

## OPTICAL CHARACTER RECOGNITION

1500 + KEY ENTRY OPERATORS	
----------------------------	--

IN DEVELOPMENT

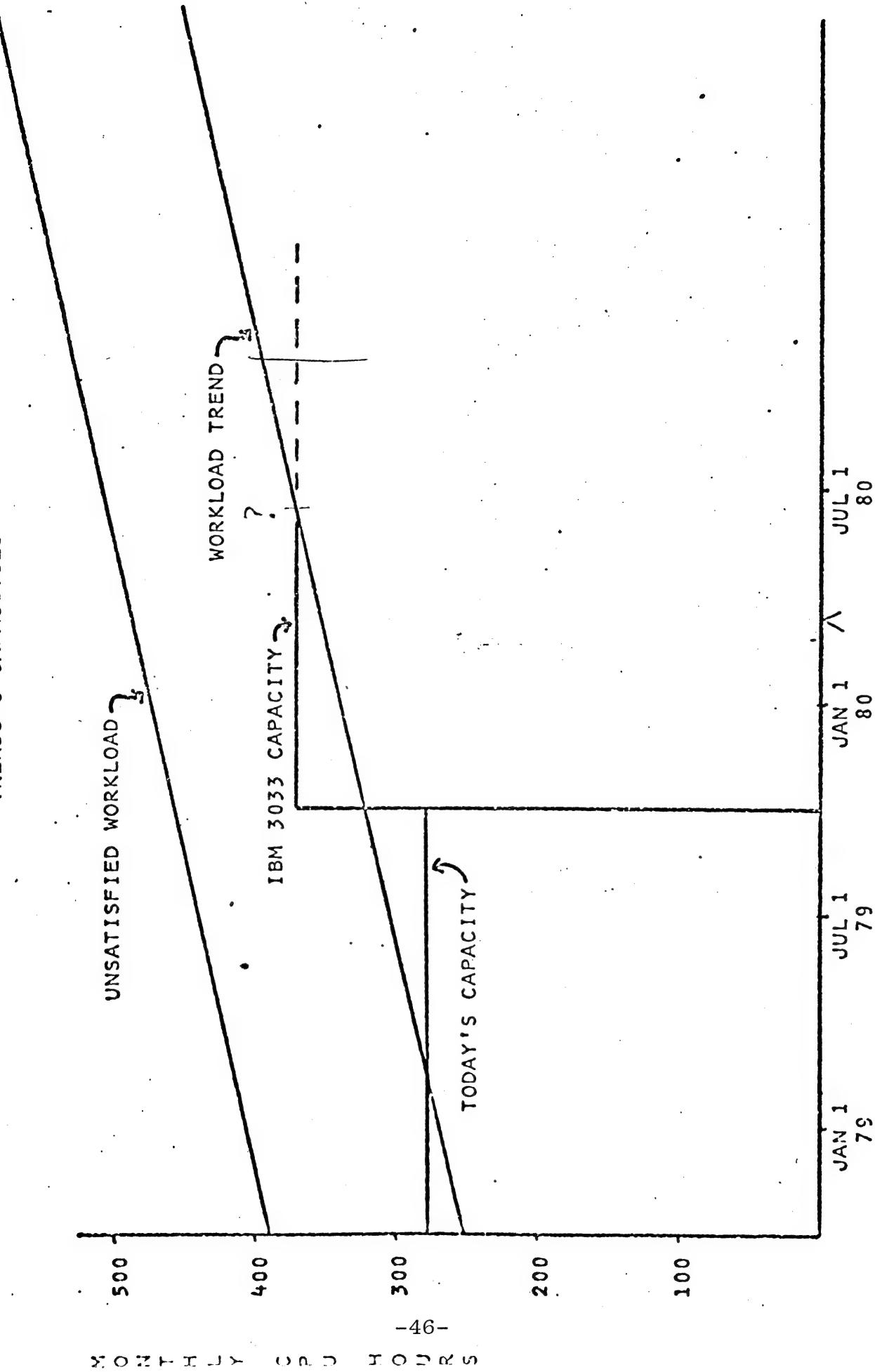
## COMMUNICATIONS

DIGITAL NETWORK

ATTACHMENT II  
TEALE DATA CENTER

PRIME SHIFT CPU

TRENDS & CAPACITIES



# Memorandum

To : Thomas W. Hayes  
Acting Auditor General  
925 L Street, Suite 750  
Sacramento, CA

Date : April 24, 1979

File No.:

Subject: Data Processing  
Usage - Draft Report

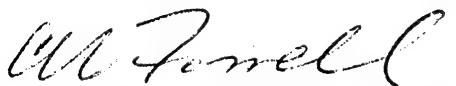
From : Department of Water Resources

This is in response to your invitation for comments on your draft report, "Review of Data Processing Usage in the State of California".

We are in general agreement with your conclusions and recommendations. The consultant, Arthur Young and Company, appears to have made a thorough review of data processing usage and consolidation. There are, however, two items in the report which deserve special attention.

1. On page 40, the report lists three applications in the Department of Water Resources that were judged to have little or no value and hence should be eliminated. We take exception to that conclusion because these applications provide considerable savings in time and labor over manual methods. Moreover, the Land Class and Use and the Well Logs Information systems are the only organized files in the State of such data. We will be providing you with additional information in the near future justifying the continued use of these applications.
2. We definitely concur with the report's statement regarding the State's need for a scientific time-sharing center, and particularly the prospect that Department of Water Resources computer facility may be an appropriate center at which to establish it. As you may know, we are currently preparing a long range plan and feasibility study that encompasses the EDP needs of the Resources Agency as a whole. We feel that it is appropriate, cost effective and timely to establish a Resources Agency Consolidated Data Center; it would in fact be a logical placement for a statewide time-sharing computer. We therefore encourage you to go somewhat further in your report, to specifically recommend establishment of such a center.

We appreciate the opportunity to review the report in draft form and are available for further discussions regarding it or our comments.



Charles W. Farrell, Chief  
Computer Systems Office  
8-485-2296

cc: Donald A. Sandison  
Charles R. Shoemaker



## STATE BOARD OF EQUALIZATION

333 EAST WALNUT STREET, PASADENA, CALIFORNIA  
 (P.O. BOX 77, PASADENA, CALIFORNIA 91109)  
 TELEPHONE: (213) 681-3551

GEORGE R. REILLY  
 First District, San Francisco  
 ERNEST J. DRONENBURG, JR.  
 Second District, San Diego  
 WILLIAM M. BENNETT  
 Third District, San Rafael  
 RICHARD NEVINS  
 Fourth District, Pasadena  
 KENNETH CORY  
 Controller, Sacramento  
 DOUGLAS D. BELL  
 Executive Secretary

April 23, 1979

Mr. Thomas W. Hayes  
 Acting Auditor General  
 Joint Legislative Audit Committee  
 925 L Street, Suite 750  
 Sacramento, California 95814

Dear Mr. Hayes:

Re: Review of Data Processing Usage in  
 the State of California

We have reviewed the draft copy of the above report received on April 20, 1979 with your statement that we have three working days to respond in writing in order for our comments to be included in the final report.

The Board of Equalization is opposed to consolidation of its computer operations into another data center. As a constitutional agency and the State's largest revenue department it is charged with the administration of many state and local tax programs that will generate over eleven billion dollars in 1979-80. The study made by Arthur Young and Company is based upon a foundation of computer efficiency and ignores the tax administration missions of the Board of Equalization. It also ignores the fact that the Board has been operating its computers effectively at a low cost and that consolidation would reduce efficiency and increase costs. In addition, it fails to give justifiable reasons for considering consolidation.

We should also like to state that this is the first time we were made aware that Arthur Young and Company was considering consolidation of computers. In fact, we were told it was not a matter of consideration in the study but instead consolidation of common computer applications such as registration was being considered.

The Board of Equalization has no intention of letting its computer operations reach capacity or becoming obsolete. It will continue as it has in the past to upgrade its computer operations to accomplish efficient tax administration at the lowest possible costs.

Sincerely yours,

Douglas D. Bell

-48- Executive Secretary  
 State Board of Equalization

APPENDIX A  
DETAILED APPLICATION QUESTIONNAIRE INSTRUCTIONS

## DETAILED APPLICATION QUESTIONNAIRE INSTRUCTIONS

### APPLICATION NAME

Please enter the common name by which the application or system is known. Please abbreviate if necessary to be able to include an intelligible name in this space.

### DEPARTMENT/AGENCY NUMBER

Please enter the reporting number of your department. The number is the Reporting Organization Code used by the State Data Processing Management Office as described in Section 5003 of the State Administrative Manual. See attachment.

### APPLICATION SERIAL NUMBER

To be entered on each applicable "Detailed Report Questionnaire."

### BUDGET PROGRAM SERVED

Please enter the common name by which the budget program served is known. Abbreviate if necessary.

### RESERVED

Reserved for later use by the Auditor General.

### FUNDING PRIORITY

Please enter the number for the priority category which best describes the priority of this application. Use the following categories:

1. Required by Federal or State Law.
2. Invaluable to agency. Could not do without.
3. High priority. Would be difficult to do without.
4. Routine priority. Application contributes to agency operations.
5. The application is nice to have but could be done without.
6. Of little or no value. Application could easily be done without.

### GENERIC TYPE

This is the generic application type which best describes the subject application. Please refer to the list of generic application names and enter the number assigned to that name which best describes the type of application processed.

### PROCESS MODE

Please enter the letter "B" for batch processing, the letter "I" for on-line inquiry with batch update, or the letter "U" for on-line update and inquiry. Please use that code which best describes the most complex processing used in the application.

### PRIMARY DATA CENTER

Please enter the number assigned on the Data Center I.D. list to that data center which normally processes this application.

### PRIMARY COMPUTER

Please refer to Computer I.D. list and enter the number assigned to the computer which is primarily used to process this application.

### AVERAGE MONTHLY CPU HOURS

Please enter the average number of CPU (computer) hours, computed to the nearest 10th of an hour, used per month to process this application. In the event that this is a real-time application which is up a fixed period of time per day, please enter the average number of hours per month the system is available for real-time use. If the system is operated in a real-time mode part of the day and in a batch mode part of the day, add the batch CPU hours to the amount of real-time system availability.

### ALTERNATE DATA CENTER

Please enter the number assigned to the data center which can be used as an alternate or has been used as an alternate to process this application.

ALTERNATE COMPUTER

Please refer to the Computer I.D. list and enter the number assigned to the computer which has been used as an alternate computer to process this application.

USE

Please enter "P" for production or production maintenance activity. Please enter "N" for NEW application development use.

TOTAL NUMBER OF PROGRAMS

Please enter the total number of computer programs in this application system.

YEAR IMPLEMENTED

Please enter the calendar year in which the system was implemented. If the application is under development, enter "99".

PRIMARY SOURCE LANGUAGE

Please refer to the Source Language table in the attachment and enter the number assigned to the primary source language used in the application system.

REAL MEMORY REQUIREMENTS

Please enter the real memory requirements of the largest program in the application. Please use K bytes or characters rounded to the nearest decimal point. Please refrain from using "words" to describe the total "K" of memory requirements.

TYPICAL NUMBER OF DISC DRIVES REQUIRED

Please enter the usual number of disc drives required to process this application.

MINIMUM TAPE DRIVES REQUIRED

Please enter the minimum number of tape drives required to process this application.

### TAPE DENSITY

Please refer to the attached documentation and enter the number assigned to the tape density used in this application. In the event more than one tape density is used, enter the most common density used in the application.

### PROCESSING DISK REQUIRED

Please enter the usual disk space required to process this application. Use bytes or characters and refrain from using words to state the disk space required.

### PERMANENT DISK REQUIRED

Please enter the minimum amount of permanent disk space required in bytes or characters to process this application. Permanent disk space can be considered as total disk space required, much of which may be off-line for various job steps.

### OPERATING SYSTEM

Please refer to the list of operating systems and enter the number assigned to that operating system used to process this application.

### SECONDARY SOURCE LANGUAGES

If secondary source languages are used, please refer to the Source Language table and enter in the blocks marked Lang. the number which corresponds to the secondary source language used. In the blocks marked % Used, please enter the percent of that portion of the application system implemented in that source language. Please enter the secondary source language in the order of magnitude represented in the system beginning with the largest magnitude of use. The percentage figure will not total 100% due to the fact that the primary source language is entered in another field in the questionnaire.

### FILE ORGANIZATION

From the list of file organization methodologies included on the attached documentation, please enter in the Type box the number associated with the file organization used. In the Percent box, enter the approximate percentage of the magnitude of files which use that file organization method. (Use 99% for 100%) Please enter the data beginning with the most widely used file organization method. Enter only those files which "belong" to the application. Exclude entry of files which are primarily a portion of other applications.

### RJE & TERMINALS

Please refer to the RJE & Terminals list and enter in the box marked Type, the number which corresponds to the RJE equipment or terminals used. In the box marked Total, enter the total number of terminals used.

### MONTHLY REPORT/OUTPUT TABLE

Please refer to the attached documentation and obtain the number assigned to the type media used in this application. Enter that media number in the box marked "media." In the box marked "number", enter the number of different reports or outputs which use that particular type of media; and under the column "lines" please enter the monthly average number of lines of output generated on that type media. For reports prepared at greater than monthly intervals enter the monthly equivalent of lines produced (i.e., divide by three months for quarterly reports, 6 months for semi-annual reports, and so forth). Please identify all media used for output.

### SOFTWARE AND UTILITIES USED

Please refer to the list of software in the attachment and enter the number associated with that software used to process this application.

### SPECIAL EQUIPMENT REQUIRED

Please refer to the Special Equipment list in the attachment and enter the number which designates the type special equipment required to process the application.

### INTERNAL AGENCY 78/79 APPLICATION EQUIPMENT BUDGET

Please enter the dollar amount budgeted for equipment which is charged directly to the agency and not included in the data center charges. Please round to the nearest thousand dollars.

### PERSONNEL BUDGET

Please enter in the FTE space the full-time-equivalent personnel budgeted and required to support the application such as operators, key entry personnel and clerks. Round FTE figures to the nearest one-tenth person. In the Budget Costs space, please enter the dollar amount budgeted for the personnel included under FTE. Please round to the nearest thousand dollars.

DATA CENTER 78/79 APPLICATIONS PROCESSING BUDGET

Please enter the dollar amount budgeted to pay for data center charges incurred to process the application. Please round to the nearest thousand dollars.

INTERNAL AGENCY 78/79 APPLICATION OTHER COST BUDGET

Please enter the dollar amount budgeted to pay for costs other than those included in the previous categories. Normally such costs would include supplies and other items which can be reasonably attributed to the application. Please round to the nearest thousand dollars.

YES/NO QUESTIONS

Please enter "Y" for yes or "N" for no in response to the questions asked.

NAME OF PREPARER

Please enter the name of the person in the department who provided the majority of the information requested by the questionnaire.

PHONE NUMBER

Please enter the telephone number of the person entered in "Name of Preparer".

## STATE ADMINISTRATIVE MANUAL

ELECTRONIC DATA PROCESSING  
EDP EQUIPMENT INVENTORY

REPORTING ORGANIZATION CODES (Revised 7/78)

5003

Air Resources Board . . . . .	006	Health . . . . .	124
Banking . . . . .	008	Health Facilities Comm . . . . .	125
Conservation . . . . .	012	Mental Assistance Payments . . . . .	126
Controller . . . . .	014	Mental and Developm'l Disab . . . . .	128
Corporations . . . . .	018	Public Health . . . . .	129
Economic and Business Dev . . . . .	019	Rehabilitation . . . . .	130
Education . . . . .	020	Social Services . . . . .	132
Energy Resources Comm . . . . .	021	Youth Authority . . . . .	134
Finance . . . . .	022	Alcoholic Bev Control . . . . .	156
Fire Marshal . . . . .	024	Consumer Affairs . . . . .	158
Fish and Game . . . . .	026	Crime Tech Res Foundation . . . . .	160
Forestry . . . . .	027	Equalization . . . . .	164
General Services . . . . .	028	Food and Agriculture . . . . .	166
Highway Patrol . . . . .	030	Franchise Tax . . . . .	168
Industrial Relations . . . . .	032	Housing and Commun Dev . . . . .	172
Insurance . . . . .	034	Law Enforcement Consolidated Data Center . . . . .	176
Military Dept . . . . .	038	Motor Vehicles . . . . .	180
Nav and Ocean Dev . . . . .	040	Student Aid Comm . . . . .	184
Parks and Recreation . . . . .	044		
Personnel Board . . . . .	046		
PPSD/PIMS . . . . .	048		
Planning and Research . . . . .	050		
Postsecondary Educ Comm . . . . .	051		
Pub Empl Ret Sys . . . . .	052		
Public Utilities Comm . . . . .	054		
Real Estate . . . . .	056		
Savings and Loan . . . . .	060		
Secretary of State . . . . .	062		
State Lands Comm . . . . .	063		
Teale Data Center . . . . .	064		
Teachers Retirement Sys. . . . .	066		
Transportation . . . . .	068		
Treasurer . . . . .	070		
Veterans Affairs . . . . .	072		
Water Resources . . . . .	074		
Water Resources Control Board .	076		
Health & Welfare Agency Data Center	100		
Alcohol and Drug Abuse . . . . .	104		
Benefit Payments . . . . .	106		
Corrections . . . . .	112		
Employment Dev . . . . .	116		
Health Plg & Dev, Off. of . . . . .	122		

If the reporting state agency is not listed, contact the EDP Equipment Inventory Manager, State Data Processing Management Office, at (916) 445-1777 for assignment of an additional code.

Office of Traffic Safety .....	140
Department of Health Services .....	141
Department of Mental Health .....	142
Department of Developmental Services ..	143
Reserved .....	144-149

## APPLICATION GENERIC TYPES

### PERSONNEL SYSTEMS

- 001 Affirmative Action Reporting
- 002 Employee Personal Accidents
- 003 Payroll System
- 004 Personnel - Training Reporting
- 005 Personnel - Personal Profiles/Skills Register
- 006 Personnel - Position Control
- 007 Personnel - Leave Accounting
- 008 Personnel - History of Personnel Actions (e.g. Salary Adjustments, Training Received)
- 009 Personnel - Miscellaneous Personnel

### TRACKING SYSTEMS

- 101 Claim Processing/Tracking
- 102 Contract Management
- 103 Complaint/Case Tracking (incl. Treatment Followup)
- 104 Legislative Bill Tracking
- 105 People Tracking (Case Workers, Clients, Patients, Social Worker)
- 106 Miscellaneous Tracking Systems

### RETIREMENT/PENSIONS SYSTEMS

- 201 Employee Retirement System
- 202 IRS Pension Reporting
- 203 Pensions - Receipts Accounting
- 204 Pensions - Contract & Employer Accounting
- 205 Pensions - Disbursements
- 206 Pensions - Reporting System
- 207 Pensions - Reserve Fund Maintenance
- 208 Pensions - Roster
- 209 Other Retirement/Pension Applications

## PERFORMANCE REPORTING & EVALUATION SYSTEMS

301 Audit  
302 Benefit Reporting  
303 Case/Client Reporting  
304 Facility Utilization  
305 Health Benefits Reporting  
306 Highway Maintenance Program Reporting  
307 Highway Right-of-Way Reporting  
308 Pavement Condition Reporting  
309 PERT  
310 Personnel Utilization/Manpower Planning/Staffing Analysis  
311 Program Effectiveness Evaluation  
312 Program Statistical Reporting  
313 Project Management System  
314 Project Time Reporting  
315 Vital Statistics  
316 Miscellaneous Performance Reporting & Evaluation System

## REGULATORY SYSTEMS

401 AFDC Eligibility  
402 Duplicate Benefit Detection  
403 Health Benefit Eligibility  
404 Investigative Support  
405 Registration/Licensing - Personnel  
406 Registration/Licensing - Facilities and Institutions  
407 Regulatory Inspection Reporting  
408 Miscellaneous Regulatory System  
409 Registration/Licensing - Vehicles, Vessels  
410 Food Stamp Eligibility & Processing  
411 Miscellaneous Benefits Processing

## STATISTICAL/SCIENTIFIC SYSTEMS

501 Computer Model

502      Engineering/Scientific  
503      Engineering Cost Estimate  
504      Geological  
505      Geometronics  
506      Health Research & Analysis  
507      Management Science (e.g. Linear Programming, Simulation)  
508      Plotting/Drafting  
509      Statistical Analysis Packages (e.g. Biomed, SPSS)  
510      Miscellaneous Statistical/Scientific System

OPERATIONAL ASSISTANCE SYSTEMS

601      Catalogs, Indexs, Cross References and Directories  
602      Computer Utility  
603      Data Base Inquiry  
604      Data Reduction/Entry  
605      Data Preparation  
606      Hospital/Medical Insurance  
607      Inventory Control and Distribution  
608      Inventory Control/Material Management  
609      Keyword Information Retrieval/Updating  
610      Mailing Lists/Labels  
611      Manufacturing Production Scheduling & Control - Job Shop  
612      Manufacturing Production Scheduling & Control - Continuous Process  
614      Order Processing  
615      Other Operational Assistance Systems  
616      Property Maintenance  
617      Structure Maintenance  
618      Text/Word Processing  
619      Traffic Projection  
620      Vehicle Fleet Management  
621      Vehicle Fuel Consumption  
622      Vehicle Maintenance System

## BILLING SYSTEMS

701 Billing System - Person (e.g. Client, Patient)  
702 EDP Billing  
703 Radio Catalog/Maintenance/Billing  
704 Real Estate Rental Management/Billing  
705 Special Service Billing  
706 Transfer Cost Billing  
707 Miscellaneous Billing System

## ACCOUNTING & FINANCIAL SYSTEMS

801 Accounting - Edit and Data Base Preparation  
802 Accounting - Fiscal and Budgeting  
803 Accounting - Departmental Financial  
804 Accounting - Fund  
805 Accounting - Mortgage Loan  
806 Accounting - Program Cost and Budgeting  
807 Accounting - Program Cost/Time Reporting  
808 Accounting - Tax  
809 Accounting - Encumbrance  
810 Accounts Payable  
811 Accounts Receivable  
812 Bank/Financial Reconciliation  
813 Bond and Coupon Reconciliation  
814 Cash/Funds Receipt and Application  
815 Financial Forecast  
816 Fund Apportionment  
817 Investment Portfolio Management  
818 Overhead Allocation  
819 Payment/Expense Distribution  
820 Program Reimbursement - Federal and State  
821 Project Management and Budgeting  
822 Project Management, Costing and Billing  
823 Project Progress Payment Calculation

824      Property Inventory (Fixed Asset Accounting)  
825      Social Security Collection  
826      Vouchers Payable/Disbursements  
827      Vouchers Payable/Reconcilement

OTHER SYSTEMS

901      Actuarial  
902      Carpool Processing  
903      Demographic Distribution  
904      Elections  
905      FHWA  
906      High School Enrollment & Proficiency Reporting  
907      School Directories  
908      Miscellaneous Taxable Property Reporting  
909      Miscellaneous Production Maintenance

DATA CENTER ID

1	Stephen P. Teale Consolidated Data Center. . . . .	TEALE
2	Health and Welfare Agency Data Center. . . . .	HWDC
3	Franchise Tax Board Data Center. . . . .	FTB
4	Department of Water Resources Data Center. . . . .	DWR
5	Board of Equalization Data Center. . . . .	BOE
6	Department of Motor Vehicle Data Center. . . . .	DMV
7	State Controller's Data Center . . . . .	CSCO
8	Public Utilities Commission Data Center. . . . .	PUC
9	In-House Mini-Computer . . . . .	MINO
A	Office of State Printing . . . . .	OSP

COMPUTER ID

1	IBM System 370 all models. . . . .	IBM 370
2	IBM System 360 all models. . . . .	IBM 360
3	IBM 1401 . . . . .	IBM 1401
4	IBM 7074 . . . . .	IBM 7074
5	Amdahl 470 all models. . . . .	AMD 470
6	Univac/RCA Spectra 70/6. . . . .	UN 70/6
7	Univac/RCA Spectra 70/45 . . . . .	UN 70/45
8	Univac/RCA Spectra 70/55 . . . . .	UN 70/55
9	Burroughs B-3500 . . . . .	B-3500
A	Burroughs B-1720 . . . . .	B-1720
B	Control Data 3300. . . . .	CDC 3300
C	CDC CYBER 175. . . . .	CDC 175
D	PDP11-70 . . . . .	PDP11-70
E	CDC-7600 . . . . .	CDC-7600

SOURCE LANGUAGE

01 ASSEMBLER - UNIVAC/RCA Spectra  
02 ASSEMBLER - IBM 370/360 and Amdahl  
07 Autocoder - EBM7074  
10 COBOL - American National Standard  
11 COBOL - Other COBOL Compliers  
20 FORTRAN IV - G  
21 FORTRAN H  
22 FORTRAN (CDC)  
23 FORTRAN (Burroughs) - ANS 1966  
30 ALGOL  
40 PL1  
50 RPGII  
51 RPG  
52 MARK IV  
53 SYNTAX I  
54 SYNTAX II  
55 TPL  
56 DYL 260  
60 BASIC  
99 Proprietary - Not Available to User

TAPE DENSITY

1 200BPI, 7 Track  
2 556BPI, 7 Track  
3 800BPI, 7 Track  
4 1600BPI, 7 Track  
5 800BPI, 9 Track  
6 1600BPI, 9 Track  
7 6250BPI, GCR

OPERATING SYSTEMS

01 IBM MVS Release 3.7  
02 IBM SVS Release 1.7  
03 IBM OS/MVT Release 21.8  
04 IBM DOS Release 25  
05 Univac/RCA Spectra TDOS Release 25  
06 Univac/RCA Spectra TDOS Release 21.5  
07 Burroughs B-1700 MCP  
08 Burroughs B-3500 MCP  
09 Control Data Master Release 4.2  
10 Control Data Master Release 3  
11 IBM OS/VSL Version 6F

## FILE ORGANIZATION

- 01 Sequential
- 02 Random
- 03 Index Sequential (ISAM)
- 04 VSAM
- 05 Data Base Management System (Commercial Vendor, not IMS or ADABAS)
- 06 Data Base Management System (In-house Developed)
- 07 ADABAS
- 08 IMS

## REMOTE JOB ENTRY EQUIPMENT AND TERMINALS

- 01 IBM 2780, 3780 or Compatible Type (i.e. DATA 100)
- 02 IBM 3270 or Compatible Type
- 03 Teletype or Similar
- 04 Other CRT Type Terminals
- 05 Typewriter Type (Terminet 300 or Similar)
- 06 Other Medium Speed RJE Terminal
- 07 Other Minicomputer or Distributed Computer
- 08 Other Large Scale Computer

## REPORT MEDIA

- 1 Paper Printout
- 2 Micorfiche/Microfilm
- 3 Microfiche Aperture Cards
- 4 CRT Terminal
- 5 Other Terminal
- 6 Interpreted Tabulating Cards
- 7 Computer Graphics or Plotter
- 8 Mag Tape/High Speed Page Printer (Xerox)

CONTROL DATA SOFTWARE AND UTILITIES

- 401 Message Control System
- 402 Respond
- 403 Mass Storage Sort (MS Sort 4)
- 404 Multiple Access Retrieval System (MARS III)
- 405 Linked Index Sequential Access (LISA 2)
- 406 Tape Sort/Merge
- 407 MS Sort/Merge

IBM 370/AMDAHL 470 SOFTWARE AND UTILITIES

101 ADABAS  
102 ADASRIPT +  
103 ADAWRITER  
104 ATMS II  
105 BDAM  
106 BIOMED (BMDP)  
107 BPAM  
108 BSAM  
109 BTAM  
110 Calcomp Plot Package  
111 Capex Cobol Optimizer  
112 CICS Dynamic Map  
113 CICS 3270 Simulator  
114 CICSVS  
115 Cobol Interactive Debug  
116 CUE  
117 DATA/DICTIONARY  
118 DMS/OS  
119 DSO  
120 DS/2  
121 EXECUTOR/MVS  
122 FATS/FATAR  
123 FDR/DSF  
124 FORESIGHT V  
125 FORESIGHT VI  
126 Fortran IV Library (Mod1)  
127 Fortran Interactive Debug  
128 Generalized Information System(GIS)  
129 GPSS/360  
130 HASP  
131 Standard IBM Utilities  
153 IMS  
154 IMSL  
155 ISAM

156 Kommand (DAS & RBS)  
158 MINIDUMP or ABEND-AID  
159 Mortran 2  
160 NATURAL  
161 Omegamon  
162 Panvalet  
163 Panvalet/Online  
164 PL/1 Checkout Compiler  
165 PL/1 Resident Library  
166 PL/1 Transient Library  
167 PMS IV  
168 PPE  
169 QSAM  
170 RESOLVE II  
171 SCSS  
172 SECURE (DAS)  
173 SHRINK  
174 SPOOLER  
175 SPSS  
176 SSP  
177 SUP370  
178 Syncsort  
180 TCAM  
181 3330-3350 Conversion Aid  
182 TMS (UCC-one)  
184 TSA  
185 TSO Assembler Prompter  
186 TSO Cobol Prompter  
187 TSO Data Utilities  
188 TSO Fortran Prompter  
189 TSO Full Screen Edit  
190 TSO.MON  
191 TSO 3270 Session Manager  
192 VIDIO SYS  
193 Video 370  
194 VSAM  
195 VTAM  
196 360/30 DOS Utilities

UNIVAC/RCA SPECTRA SOFTWARE AND UTILITIES

201	AUTOFH	Automatic Text Formatting System (with optional hyphenation)
202	AUTOFM	Automatic Text Formatting System (without optional hyphenation)
203	BUFLOA	Load Train Printer Print Buffer
204	CARDCK	Mass Storage Unit Card Check
205	CDPR	Card to Printer/Punch
206	CDPSIM	Communication User Program Simulator
207	CDRA	Card to Random Access
208	CDRAM	Card to Random Access/Mass Storage
209	CDTP	Card to Tape
210	CLC	COBOL Library Convertor
211	CLU	COBOL Library Update
212	COS	Communications Oriented Software
213	DATE	Change the Date in System
214	DATES	List Julian Dates for Current Month
215	DDRL	Disc/Drum Dump and Reload
216	DIAGDG	Test Data Generator
217	DLP	Tape Duplicate
218	DPDUMP	Special Core Dump for Braille
219	DSCSRT	Disk Sort
220	DUMPRT	Print Core Dumps Spooled to Tape
221	DUP	Copy Tape to Tape
222	E301	301 Emulator
223	E501	501 Emulator
224	E7010	1410/7010 Emulator
225	EML400	1401/1440/1460 Emulator
226	EMP	Edited Memory Print
227	GPPCH	Card to Punch
228	HCR656	Hardware Check Routine for 70/656
229	HCR740	Hardware Check Routine for 740
230	ISAR	Index Sequential Analysis and Reorganization

231	JAEDIT	Job Accounting Edit Routine
232	JOBLOG	List Job Account From Tape to Printer
233	LLU	Load Library Update
234	LNKEDT	Linkage Editor
235	MARK	Write Tape Marks on Tpae
236	MARK IV	Informatics
237	MASTRN	Master Tape Transcriber
238	MCDF	Multichannel Communications Disc Formatter
239	MCDSF	Multichannel Communications Disc Snapshot Formatter
240	MCSREC	Off-Line Recovery Program
241	MLU	Macro Library Update
242	MONIPT	Job Stream Compiles
243	MTSIP	Maintenance Test System Interface
244	OFFLIN	Vary a Controller Offline
245	OMLU	Object Module Library Update
246	OUTWRT	Output Writer Routine
247	PAC II	Project Management System
248	PAL246	Tape Test
249	PLTNDX	Program Load Library Tape Listing
250	PRGTRN	Program Library Transcriber
251	RAALLR	Random Access Storage Allocator
252	RADAR	Random Access Dump and Reload
253	RAEDIT	Random Access Edit
254	RAFLED	Random Access File Edit
255	RAINDX	Random Access Index Edit
256	RAINIT	Random Access Volume Initializer
257	RALIST	Random Access List
258	RAMSUP	Mass Storage Unit Service Program
259	RAPR	Random Access to Printer/Punch
260	RARA	Random Access to Random Access
261	RARAM	Random Access to Mass Storage Unit
262	RATP	Random Access to Tape
263	RECHK	Read Check a Tape
264	SHIRUE	Statistical and Historical Information on Recoverable and Unrecoverable Errors

265	656SS	70/656 Support System
266	SLM	Source Library Maintenance
267	SLMP	Self Loading Memory Print
268	SLRE	Self Loading Random Access Edit
269	SLTE	Self Loading Tape Edit
270	SLU	Source Library Update
271	SPATCH	System Patch Routine
272	SRTGEN	Sort/Merge
273	SYSGEN	System Generation Routine
274	TIME	Change Internal Clock
275	TOSHCR	Univac C.E. Tape Drive Test
276	TPCOMP	Tape Compare
277	TPEDIT	Tape Edit
278	TPINIT	Tape Volume Initializer
279	TPMAIN	Tape File Maintenance
280	TPPR	Selective Tape to Printer and/or Punch
281	TPRA	Tape to Random Access
282	TPRAM	Tape to Mass Storage Unit
283	TPTP	Tape to Tape
284	UCOLT	American National Standard COBOL Language Translator
285	VICON	Video Control System
286	VIMTPG	On-Line Test Program Generator (HCR)
287	VOLHDR	Write Standard Vol & HRD on Tape
288	DMVRTC	
289	DMVARTS	
290	290 DMU DCS	

#### SPECIAL EQUIPMENT

- 01 Card Reader
- 02 Card Punch
- 03 Communications Processor
- 04 COM Recorder
- 05 MICR Reader
- 06 Magnetic Tape Cartridge Reader
- 07 Optical Character Reader
- 08 Mark Sense Reader
- 09 Plotter
- 10 Graphic Display Device
- 11 Mass Storage Unit

DETAILED APPLICATION QUESTIONNAIRE

APPLICATION NAME										DEPT.	APPLICATION SERIAL NO.		
										31	33	34	38
BUDGET PROGRAM SERVED										RESERVED			
										69	76		
39													
77	<input type="checkbox"/> FUNDING PRIORITY	<input type="checkbox"/> GENERIC TYPE	<input type="checkbox"/> PROCESS MODE	<input type="checkbox"/> PRIMARY DATA CENTER	<input type="checkbox"/> PRIMARY COMPUTER	<input type="checkbox"/> PRIMARY							
	78	80	81	82	83	84	87						
88	<input type="checkbox"/> ALT. DATA CENTER (IF ANY)	<input type="checkbox"/> ALT. COMPUTER (IF ANY)	<input type="checkbox"/> USE	<input type="checkbox"/> TOTAL NUMBER PROGRAMS	<input type="checkbox"/> TYPICAL NO. DISK DRIVES REQ.	<input type="checkbox"/> MIN. TAPE DRIVES REQ.	<input type="checkbox"/> TAPE DENSITY						
	89	90	91	93	94	95							
96 97	<input type="checkbox"/> PRIMARY SOURCE LANGUAGE	<input type="checkbox"/> REAL MEMORY (K BYTES/CHAR)	<input type="checkbox"/> 104 105	<input type="checkbox"/> 106 107	<input type="checkbox"/> 108	<input type="checkbox"/> OPERATING SYSTEM							
	98	103											
109	<input type="checkbox"/> PROCESSING DISK REQ. (K BYTES/CHAR)	<input type="checkbox"/> 116	<input type="checkbox"/> 117	<input type="checkbox"/> 124	<input type="checkbox"/> PERMANENT DISK REQ. (K BYTES/CHAR)	<input type="checkbox"/> 125	<input type="checkbox"/> 126						

SECONDARY SOURCE LANG. (IF ANY)		FILE ORGANIZATION		RJE & TERMINALS		MONTHLY REPORT OUTPUT		
LANG.	% USED	TYPE	% USED	TYPE	TOTAL	MEDIA	NUMBER REPORTS	LINES IN HUNDREDS
<input type="checkbox"/> 127 128	<input type="checkbox"/> 129 130	<input type="checkbox"/> 147 148	<input type="checkbox"/> 149 150	<input type="checkbox"/> 167 168	<input type="checkbox"/> 169 171	<input type="checkbox"/> 192	<input type="checkbox"/> 193 195	<input type="checkbox"/> 196 200
LANG.	% USED	TYPE	% USED	TYPE	TOTAL	MEDIA	NUMBER REPORTS	LINES IN HUNDREDS
<input type="checkbox"/> 131 132	<input type="checkbox"/> 133 134	<input type="checkbox"/> 151 152	<input type="checkbox"/> 153 154	<input type="checkbox"/> 172 173	<input type="checkbox"/> 174 176	<input type="checkbox"/> 201	<input type="checkbox"/> 202 204	<input type="checkbox"/> 205 209
LANG.	% USED	TYPE	% USED	TYPE	TOTAL	MEDIA	NUMBER REPORTS	LINES IN HUNDREDS
<input type="checkbox"/> 135 136	<input type="checkbox"/> 137 138	<input type="checkbox"/> 155 156	<input type="checkbox"/> 157 158	<input type="checkbox"/> 177 178	<input type="checkbox"/> 179 181	<input type="checkbox"/> 210	<input type="checkbox"/> 211 213	<input type="checkbox"/> 214 218
LANG.	% USED	TYPE	% USED	TYPE	TOTAL	MEDIA	NUMBER REPORTS	LINES IN HUNDREDS
<input type="checkbox"/> 139 140	<input type="checkbox"/> 141 142	<input type="checkbox"/> 159 160	<input type="checkbox"/> 161 162	<input type="checkbox"/> 182 183	<input type="checkbox"/> 184 186	<input type="checkbox"/> 219	<input type="checkbox"/> 220 222	<input type="checkbox"/> 223 227
LANG.	% USED	TYPE	% USED	TYPE	TOTAL	MEDIA	NUMBER REPORTS	LINES IN HUNDREDS
<input type="checkbox"/> 143 144	<input type="checkbox"/> 145 146	<input type="checkbox"/> 163 164	<input type="checkbox"/> 165 166	<input type="checkbox"/> 187 188	<input type="checkbox"/> 189 191	<input type="checkbox"/> 228	<input type="checkbox"/> 229 231	<input type="checkbox"/> 232 236

SOFTWARE AND UTILITIES USED														
<input type="checkbox"/> 237 239	<input type="checkbox"/> 240 242	<input type="checkbox"/> 243 245	<input type="checkbox"/> 246 248	<input type="checkbox"/> 249 251	<input type="checkbox"/> 252 254	<input type="checkbox"/> 255 257	<input type="checkbox"/> 258	<input type="checkbox"/> 260	<input type="checkbox"/> 261	<input type="checkbox"/> 263	<input type="checkbox"/> 264	<input type="checkbox"/> 266	<input type="checkbox"/> 267	<input type="checkbox"/> 269
										DOES THIS SYSTEM THROUGH MAGNETIC MEDIA INTERFACE TO OTHER APPLICATIONS?				
270 272	<input type="checkbox"/> 273 275	<input type="checkbox"/> 276 278	<input type="checkbox"/> 279 281	<input type="checkbox"/> 282 284	<input type="checkbox"/> 285 287		312							
INTERNAL AGENCY EQUIP BUDGET (000)														
INTERNAL AGENCY 78/79 APPLIC.		INTERNAL AGENCY PERSONNEL 78/79 BUDGET COSTS (000)					313							
EQUIP BUDGET (000)		FTE		BUDGET COSTS (000)										
288 292		<input type="checkbox"/> 293 296	<input type="checkbox"/> 297 301											
DATA CENTER 78/79 APPLIC. INTERNAL AGENCY 78/79 APPLIC. OTHER COST BUDGET (000)														
PROCESS BUDGET (000)		<input type="checkbox"/> 307	<input type="checkbox"/> 311											
302 306														

NAME OF PREPARER

PHONE NUMBER

## DETAILED REPORT QUESTIONNAIRE INSTRUCTIONS

### DEPARTMENT (DEPT.)

Please enter the reporting number of your department. The number is the Reporting Organization Code used by the State Data Processing Management Office as described in Section 5003 of the State Administrative Manual. This number is also used in the detailed application questionnaire.

### APPLICATION SERIAL NUMBER

Please enter the Application Serial Number as provided on the Detailed Application Questionnaire.

### REPORT ID

Frequently, system designers may use a number to identify reports. If this is the case with the subject application, please enter that ID number in the field. In the event no Report ID is used, please leave the space blank.

### MEDIA

Please enter the number from the following list which corresponds to the media used to present this report.

1. Paper Printout
2. Microfiche/Microfilm
3. Microfiche Aperture Cards
4. CRT Terminal
5. Other Terminal
6. Interpreted Tabulating Cards
7. Computer Graphics or Plotter

### PRODUCTION CYCLE

Please enter the number from the following list which corresponds to the production cycle most commonly used to produce the report.

1. On Demand
2. Daily or more frequently
3. Weekly or less often than daily
4. Semi-monthly or less often than weekly
5. Monthly or less often than semi-monthly
6. Quarterly or less often than monthly
7. Semi-annual or less often than quarterly
8. Annual or less often than semi-annual

## USE

Please enter the number from the following list which corresponds to the report usage which is most representative:

1. A number of times during the day
2. Once a day
3. Once every two or three days
4. Weekly
5. Semi-monthly
6. Monthly
7. Quarterly
8. Semi-annually
9. Annually

## IMPORTANCE

Please enter the number from the following list which corresponds to the most accurate description of the importance placed on this report.

1. Invaluable, could not do without
2. Very important, would be difficult to do without
3. Routine, could do job without it, but it contributes to better performance
4. Limited importance, contributes to a small extent to better performance
5. Little or no importance, merely helps out performance

## SIMILAR REPORT

Please enter the letter "Y" if you know of a similar report which could be used, with only minor modification, to fulfill the purpose of this report. Enter "N" if no similar report is known.

## REPORT NAME

Please enter the common name or title of the report. Please abbreviate if necessary. Please do not include one time only reports produced by report generation software such as Mark IV.

## COMMENTS

Please include name of similar report or any comment you wish known concerning the report.

## DETAILED REPORT QUESTIONNAIRE

APPLICATION  
SERIAL NUMBER  
DEPT.

REPORT NAME \_\_\_\_\_  
REPORT ID 08 13 14

13  
08

13  
08

80

13  
08

13

13

13

## SERVICE BUREAU/TIME SHARING QUESTIONNAIRE

**Department** \_\_\_\_\_

Name of Preparer \_\_\_\_\_ Phone \_\_\_\_\_

Are any non-state provided computer service bureaus or time-sharing services used by your department?

If yes, complete the following:

1978-79 anticipated or budgeted computer service bureau charges

Name and address of Service Bureau

1978-79 anticipated or budgeted computer time sharing charges

Name and address of Time Sharing Service

Provide List Service Bureau application and computer time-sharing application processed. Use separate sheet of paper if necessary.

## Service Bureau

## Time Sharing

APPENDIX B  
AGENCY AND APPLICATION REPORT

AGENCY AND APPLICATION REPORT

AGENCY

Air Resources Board

APPLICATION NAME

ACP Screening Handbook  
Agricultural Burn Data System  
Area Sources Emissions System  
Cal-Tech Air Quality Modeling  
Calif Aerometric Data Mgmt Sys  
Calif Air Quality Data System  
Direct Travel Impact Model  
Emission Inventory System  
EPA's UNAMAP Models  
Meteorology Data System  
Metro-Apex  
Modeling Studies Data Staging  
Motor Vehicle Emissions Model  
Project Management  
Smog Air Quality Modeling Syst

Alcohol and Drug Abuse

Alcohol Related Arrests  
Allocation Formula  
Client Oriented Data Aquisitn  
Client Status Report  
Drinking Driver Program  
Drug Program Evaluation  
Drunk Driving Convictions  
Evaluation Project  
Follow-Up Project  
Mailing Labels  
Management Information System  
Monthly Admission & Utilization  
Nat Drug Abuse Treatment Util  
Program Cost Report System  
Special 1 Time Requests  
Women In Crisis File

Conservation

Earthquake Catalog  
Gravity-Magnetic Analysis  
Oil and Gas Assessments  
Oil and Gas Production Anal.  
Strong Motion Instr Program

Consumer Affairs

Cashiering  
Complaint/Invest Tracking Syst  
Contractors  
Division of Investigation  
Examination System  
Inspection Status  
Master File  
Registered Nurse Exam  
Stats and Accounting Operation  
Vehic Emiss Testing Stat Analy  
Vocational Nurse Exam  
Word Processing

Controller

Employment History System  
Employment History-Development  
Employment History-Maintenance  
Fund and Accg. System  
General Disbursement Processes  
Health Benefits-Development  
Inheritance and Gift Tax Acctg  
Local Govt Financial Reports  
Payroll (7074 Applic.)

<u>AGENCY</u>	<u>APPLICATION NAME</u>
Controller (cont'd)	Payroll System Payroll-Development Payroll-Maintenance PPSD and SDD Printing Services System Development Unclaimed Property Acct System
Corporations	Department Time Rept/CTS Act Sy HCSP Licensing System Licensing System
Developmental Services	Budget Control System Compensatory Education Continuing Care Services Cost and Billing CRS Medicare Report CRS Personal Deposit Fund Develop Disabil Mgmt Rptg Syst Develop Disabilities Services Development Disab Mgmt Rpt Sy Developmental Disabilit Census Environment Health & System Food Services Management Guardianship Labor Relations LPS Billing Miscellaneous Processing Mr Parental Contribution Position Employee Roster Property Equipment Invent Hosp Regional Center Projections Staffing Standards State Hosp Cost RPTG System State Hosp Special Requests State Hosp Rpts & Requests
Education	Bureau of Publications Business Services Cal Sch Finance Equal Simu Sys Child Nutrition Service Bureau Curriculum Services Educ Agency for Surplus Proper Educational Data Mgmt Systems Educational Data Mgmt Systems Fiscal Systems Operations (PCA) Fiscal Systems Operations (ABS) Program Evaluation and Research School Apportionments and Rpts Special Education State Library Services Textbook Distribution Traffic Safety Education Voc Educ Field Operations Vocational Education
Employment Development	Adverse Selection Adverse Selection Stat Appeals Statistics Applicant Data Systems Audit Flag Card Bna Benefit Audit Bpts U I Benefit PMT Statistics Continuous Wage & Benefit Hist Cost Accounting System Current Employment Estimates D I Terminated Spells Stats Departmental Inventory Control Determination of Eligibility

<u>AGENCY</u>	<u>APPLICATION NAME</u>
Employment Development (con'd)	DI Elective Coverage Account. ECC Embossed Card Payments Employer Accounting Employer Address Inquiry Employer Billings Employer Charbebacks Employer Rulings Employer Statistics Employment Security Auto Rptg Equal Employment Opportunity ES Promotional Mail Inserts ES-202 Redesign (ERT) Experience Rating Extended Duration Fictitious Employer Detection Field Audit Franchise Tax Tapes ICP Interstate Payment System Job Bank Leave Balance Local Office Stat Mandatory Employer Listing Master Industry Classifications Migrant Family Statistics Minority Race Study Monetary Determinations (MON) New Claims Stat Occupational Employment Stats OPT Overpayments Personnel Transactions (PTR) Proof Of Credit Public Entity Liabilities Reccomputations TRA Trade Readjustment Act Training Records (TRG) U I Claimant Characteristics UBR Unemploy Ins Bank Reconcil Unemploy Comp/FED Emp & Exmili Wage Record Processing Wage Record Statistics Win Work Incentive
Energy Resources Commission	Appliance Efficiency Standards Cal Con Publications Demand Conformance Demand Forecasting Direct Thermal Systems Load Management Locational Planning Management Information System Mass Mailing NOI AFC Processing Pollution Modeling Quarterly Fuel and Energy Rptg Residential Standards Solar Economics Supply Assessment Technical Assistance
Equalization	Accounts Receivable Aircraft Aircraft & Vessels Allocation Appraiser Certification & Trng Assessment Standards Time Rptg Audit Cell Analysis Audit Selection

<u>AGENCY</u>	<u>APPLICATION NAME</u>
Equalization (con'd)	Audit Statistics Beverage Tax BTCIS Business Taxes Time Reporting Cigarette Tax Data Processing Division T/R Delinquency Homeowners Intercounty Equalization T/R Job Accounting Legal Time Reporting Litter Assessment Personnel Accounting Petitions and Refunds Petroleum Private Car Property Records Registration Return Processing Sample Selection Sample Selection Expansion Security Statistical Enumeration Tape Library Timber Tax Valuation Valuation Time Reporting Work Measurement
Finance	Basic Programs Using Tenet Budget Operations CFIS Task Force Computer Audit Retrieval Sys Data Processing Management Financial Research Income From Postretirement Emp Legislative Tracking/Info Miscellaneous Special Analysis Population Research Statistical Education Financin Supplementary Security Income
Fire Marshall	Arson Cross-Index CFIRS System
Food and Agriculture	Agricultural Statistics Fertilizer & Mineral Fuel Pumps Milk Pooling Milk Stabilization Nursery Licensing Personnel Leave Accounting Pesticide Information Special Grape Acreage
Forestry	Allotment Expenditure Federal & State Income Tax-Eff Fire Incident Reporting Syst Fire Oper Character Using Simu Fire Prevention Inspection Rep Material Management System Miscellaneous Services Outstanding Check Listing Payroll Distribution Program Time Reporting System Property

<u>AGENCY</u>	<u>APPLICATION NAME</u>
Franchise Tax	BCT--Accounts Receivable BCT--Audit Activities BCT--Filing Enforcement BCT--Research & Statistics MIS--Document Processing PIT--Accounts Receivable PIT--Audit PIT--Filing Enforcement PIT--Research & Statistics PIT--Self Assessment Prad--Audit Activities Prad--Document Processing SCTA--Audit Activities SCTA--Claim Processing SCTA--Research & Statistics
General Services	Admin Hearing Functional Time Affirmative Action System AFS Organizational Unit Cost Communications Div Wire Section Contractor Service Vendor DGS Bldgs and Grounds Cost Acc DGS Local Asst Functional Time DGS Proc Admin Title Subscript DGS Proc Quarterly Townage RPT DGS Procurement Outdoor Calif DGS-DPSO Internal Acctg System DGS-DPSO Job Cost Log Fleet Administration Leased Space Invoices Leave Balance Reporting System Management Services Office of Small Business OSA Project Mgmt System OSP Accounting System OSP Employee Time Reporting OSP Legislative Bill Room OSP Stock Status System OSP Text Management System Radio Maintenance Records Center Info System Rei Real Estate Res Project Mgmt System Prod Service Contracts Space Mgmt Space Inventory State Police State Police-Crime & Inc. RPTG Stwide Logistics and Material Supportive Service OB8 and 9
Health Facilities Comm.	Health Facilities Disclosure
Health Planning & Devel.	Annual Rpts for Health Facilities Calif Health Manpower Reports Cert of Need Exemption System Inventory of Lic Hlth Facilities Miscellaneous Requests Vital Statistics Reports
Health Services	ABM-Abortion Monitoring ABS-Abortion Survey System ABT-Alternative Birthing ADR-Address (Mailing) Labels AHS Alternative Health (PHP) AIH-Air Lab Information Sys ASC-Accounting Schedule/Claims ATD-Aid to Totally Disabled ATM-Automated Text Management

AGENCY

Health Services (cont'd)

APPLICATION NAME

AVP-WIC Authorized Vendor Proj  
BCR-Birth Certificate Reliabil  
BDC-Budget Control System  
BGS-Budget Greensheet  
BIS-Budget Information System  
BMB-BENE Explanation System  
BUY- Medicare Insurance Buy-In  
CAB-Cost & Billing  
Casualty/Compliance A/R  
CCA-CHDP Claims Accounting Sys  
CCH-Contract Counties Evc Hlth  
CCI-CA Correctional Industries  
CCS-Crippled Childrens Serv  
CDS-CDS Capitation System  
CEL-CID Eligibles Summary  
CHD-CHDP Interim Infor System  
CID-Central Issuance And Delivry  
CIS-Cancer Incidence System  
CLS-Chemistry Lab Services  
CMC-CMC Operator Analysis  
CMR Congenital Malformati Rpts  
CMS-Contract Management System  
CTR-CAL Tumor Register System  
DAR-Directors AD HOC Requests  
DHC-Adult Day Health Care  
DPI-Program Inventory  
EHF-Eligibility History File  
EMS-Emergency Medical Services  
ESL-Environmental Studies Lab  
EXL-Laboratory Examinee System  
FAD-Food & Drug Inspecti Repts  
FFP FED Financial Pa-ticipation  
FIS Facilities Information Sys  
FPR Family Planning Report Sys  
FPS Family Planning System  
FRD Phred Project Support  
GDC Genetic Disease Control  
HCS Paid Claims Miscellaneous  
HEW HEW Audit  
HIS Health Inventory System  
HRP High Risk Pregnancies  
HTS Hypertension Survey Study  
HWM Hazardous Waster Management  
IDS Hepatitis Register  
IOR Central Index of Offi Recs  
LAB Laboratory Facility System  
LBR Labor Relations  
LFD-LAB Facility Data Base  
LIC-Nurse Assistant Certificate  
LPD-Lead Poisoning Testing  
LRA-Long Range Accounting Syst  
MBL-MBL Specimen Control Syste  
MCE MEDI-CAL Eligibility  
MCF-Medicare Coding File  
MCH Maternal and Child Health  
MDR Medi-Drug Reporting System  
MES Los Angeles MI/GR Merger  
MFP Medi-Cal Fam Plan Rpt Rev  
MFR Medi-Cal Federal Reports  
MMI Medi-Cal Management Inf Sy  
MOP Month of Payment Reports  
MOS Medi-Cal Month Of Ser Rprt  
MPA Misc Medi-Cal Request  
MQC Medi-Cal Elig Quality Cont  
MRS Prepaid Hea Plan Rate Set  
MSU PHP Services Utilization  
MTR Metrs-Paid Claims  
NBT Newborn Testing

<u>AGENCY</u>	<u>APPLICATION NAMES</u>
Health Services (con'd)	PCP Paper County Process PER Laboratory Personnel Systm PIM DHS Staffing Level Rpt Sys PIP Pilot Proj Reporting Systm PMS Pregnancy Monitoring PRS Personnel Roster-Positions PTL Proficiency Testing of Lab QAM Quality Assurance Monitori QLB Quarterly Liability RCV Health Recovery System RFG Refugee Tracking & Cost RP RHL-RAD Health-Licentiate RHM-RHS Radioactive Materials RHR-RAD Health-Rad Registratio RHT RHS X-Ray Technology SDM Short Doyle Med-Cal Report SRS Sterilization Rptg System SSA Sanitarian Registration Sy SUR Surveillance & Util Review TAR Temps and Returns TRS Lic & Cert Time Rptg Systm TTV Title V-Mis MCH Vec Vector Control VPP Volume Drug Purchase Plan VRL Viral and Rickettsial Lab VSB Vital Statistics Births VSC Vital Stat-Fetal Deaths VSD Vital Statistics-Deaths VSF Vital Stat Divorce Final VSM Vital Stat-Marriages VSS Vital Stat Special Request WES WIC Evaluation Study WEV Small Water Systems Evalua WIC-WIC Eligibility System WSS Large Water Info System XVI--Title XVI Medi-Cal Eligib
Highway Patrol	Automated Transfer & Recruit Budget Crossover CHP Cadet Personnel Ques. Surv. CHP Monthly Magazine Labeling CHP Press Card Inventory CHP Property Inventory CHP 431 Overtime Grants Data Guidance Data Guidance (TSO) Data Processing Operating Exp Distribution of Personnel Serv Encumbrance & Expenditures First-Aid Trng Personnel Inv Fleet Management Maint. Sched. Information & Education Activ Inventory of In-Service Trng Invoice of Crossing Guard Sal. Linear Plot of Employee Resp. Listing of Scheduled Jobs Management Team Survey Personnel Roster File Schedule 2 Update St Pers Bd In-Service Stores & Equipment Inventory Support Serv (Misc) Batch Support Serv (Misc) TSO Uniform Allowance Anniversary

<u>AGENCY</u>	<u>APPLICATION NAME</u>
Housing and Comm. Deve.	Codes and Standards Time Rptng MHP Data Reporting System
Industrial Relations	Affirmative Action Apprenticeship Agrmnts and STD Apprenticeship--Veterans Train Benefit Notices Processing Cal/Osha Consultation Statists Communications Unit Processing Data Processing Eqpt Utiltn Rpt Eletcr Inspt Sched and Acct Rec Fep Interim Mis Labor Standards Enforcemts Mis OSHA Mis Sdb and Rpt OSHA Survey OSHAB Index PV Inspect Sched and Acct Recv Rehab Bureau Processing Self Insurance Plans Annl Proc Time and Cost Accounting Systm Union Contract Processing WCAB Mis and Deb Workload Stat Work Injury Statistics
Insurance	Microfilm Licensing System REV Microfilm Licensing System
Mental Health	Address Labels Billing Syst for State Hospit Budget Control Client Census Computer Program Inventory Continuous Care Services Cost and Billing Cost Rdtg & Data Collect CR/DC Demand Requests Health Inventory System Labor Relations Patient History System Position Control State Hospital Statistics
Motor Vehicles	Alpha Name Index Processing Amis Back-Up Recovery System Auto Action/Review Generation Bank Reconciliation Co Assessor Special Vehicle Data Collection System Dealer File Processing Dept Acctg Expenditure Report Driver Control Processing Drivers Lic Master File Audit Drivers Lic Nonurgent Inquiry Drivers License Issuance Drivers License Mtr File Purge EDP Equipment Billing EDP Stock Inventory Format ELP Reservation/Plate Order ELP Retention/Cancel Notice Gross Salary Report System House Trailer Process In-House File Review Control Jury Selection Process Measurement of Computer Workload

<u>AGENCY</u>	<u>APPLICATION NAME</u>
Motor Vehicles (con't)	Mgmt Reporting & Control MOB Home Representative Test Off-Hwy Vehicle Processing Parking Citation Process Personnel Process Pot-Lic Control Rptg & Eval Project Management Reporting Rewrite of Vehicle Purge Rewrite Veh Nonurgent Inquiry Salesman/Representative Renew Table Maintenance Temp Non-Resident Com. Permits Training Inf. Process Urgent Inquiry Process Vehicle Accounting Vehicle Certificate Issuance Vehicle Master File Update Vehicle Registration Renewal Vessel Processing Video Data Input Statistics Video Data Input Training
Office of Emergency Services	DES Inundation and Evacuation
Office of Traffic Safety	Grant Program Resource Allocat
Parks and Recreation	Artifacts Inv Budgeting Cashiering Crime Reporting Equipment Redesign Expenditure Analysis History and Park Stat Reporting Misc Accounting MT/ST Tape Processing Parks and Rec Info Pims Tape Processing Program Management Property Accounting Reservation Spooled CDC Computer Tape Prin Visitor Attendance
Personnel Board	Benefits Survey Budget Callot/Expenditure Ledg Certification List Processing Classification Level Tracking Client Billing Computer Systems Cost Accounting CPS Miscellaneous Processing Examination Processing Grievance Appeals Tracking Local Govt Exam Processing Management Information System Merit Service System Pay Resolution & Pay Scale Personnel Position Reporting Property Records Salary Survey Seniority List Processing Sick Leave Accounting SPB Management Information REP SPB Management Information REP

<u>AGENCY</u>	<u>APPLICATION NAME</u>
Planning and Research	Environmental Document Review Federal Grant Application Rev. Special Reports
Postsecondary Education Comm.	Directory
Public Employees Retirement Sys.	Active Member Records Actuarial Valuation Studies ADM Internal Acctg & Billing Benefit Payee System Benefits Calculation & Payment Common Inquiry System Employer Roster System Health Benefits System Hospital & Medical Care Cover Investments IRS Reporting Public Agency Membership Rptg Retirement Roster System Social Security Subsidiary Accounting
Public Utilities Commission	Air Insurance File Air Passenger & Seat Stats Carrier File Charter Party Carrier File Computer Usage Consumer Complaint File Distance Table DMV Equipment & Costs Dump Truck Networks Fuel and Oil Costs Fuel Availability Reports Gas Util. Accident Statistics Grade Crossings (Accidents) Grade Crossings (Maint) Grade Crossings (Protection) Greyhound Lines - West HHG Underestimates File Hiway Carriers Ratios ICC File Index of Formal Matters Inter-Terminal Traffic Clow Keypunch Performance Laobr Costs Personnel Leave File Plant Depreciation Proceedings Monitor 'Pendac' Program Information System Project Index Project Mgmt "Proview" Project Monitor "Promise" Public Affairs PUC Position Status Railroad Separation Priorities Rate Spread (Electric) Revenue by Mrt Revenue Equipment History RR Accidents Not At Grade Cros STD Time Reports Stockroom Inventory Sum of Earnings (Gas & Elec) Sum of Earnings (water) Tariff Compliance File "Murts" Tariff Service File

<u>AGENCY</u>	<u>APPLICATION NAME</u>
Public Utilities Commission (con't)	Telephone Co. Files Traffic Flow (Current) Transportation Div Personnel Util. Div Man-Hours Utility Data File Water Consumption 5-Year Financial Summaries
Real Estate	DRE Exam Item Analysis DRE Licensing System DRE Mailing List System
Rehabilitation	Allotment Expenditure Ledger Automated Encumbrance Reporting Budget Development System Business Enterprise Program Case Service Bill System Caseload Management System Casheload Reporting System Industrially Injured Program Personnel & Affirmative Action Property Records Special Requests Statistical Analysis Statistical Reporting System Trust & Security Fund Programs Trust & Security Fund Programs Vendor Evaluation System
Savings and Loan	Computer File Access Programs MIS-Loan and Finance Miscellaneous Programs MLS Augmentation
Secretary of State	Campaign Disclosure Corporations General Mail Program Legislative Mail Program Lobbyist-Employer Media Equipment Notary Semi-Official Canvass Uniform Commercial Code Voter File
Social Services	Adoption Relinquishment Adoptions Resource Referral Ctr Affirmative Action Reporting Co Affirmative Action Data Col Co Workload & Admin Cost Comp Community Care Facilities Duplicate Aid Detection System Earnings Clearance Fair Hearings Calendar & Reptg Financial Accounting Exchange Fiscal Management Information Food Stamp Cash In Foster Care Reporting System General Reporting Personnel Mgmt Information Syst Property Inventory Quality Control Regulations Information System Rent Schedule Simulation Models Special Guide Dog Allowance State Supplemental Payment PGM

<u>AGENCY</u>	<u>APPLICATION NAME</u>
Student Aid Commission	College Opportunity Grant Occup Education & Training Gnt Pars/Ana System Payment System Scholarship New Applicant Scholarship Renewal State Student Incentive Grant
Teachers Retirement System	Accts/Receivable/Payable Syst Active Member Syst Benefit System Benefits System Gen Support and AD HOC Increase General Support Investment Accounting System Valuation System Verifications System
Teale Data Center	Account Payable Account Receivable Accounting Billing System BiWeekly Diskbackups Burst-Decolate Report Daily Disk Backups Equipment Delete List Equipment Future List Equipment Inventory List Mailing Lables Monthly Diskbackups Opreplus Opsalloh Opsharm Opsmomac Opszsoxy Personnel Personnel Roster Plotter Billing Scheduling Daily Scheduling Monthly TDC Processors Manual TMS Software Utilities Weekly Disk Backups
Transportation	(Agent) Database Conversion (Hides) Database Conversion (Mac) Batch Billing (Mac) Feasibility Study (Permis) (Permis) Feasibility Study (Taco) Horizontal Alignment AC Blanket Accident Index Report Written Accounting Accounting Batch Process Accounting Documents Accounting Opea Workovor List Accounting Pre-Edit Acct Receivable Acctg. Edits & Data Base Prep Accts Receivable Bill Check Accts Receivable System

<u>AGENCY</u>	<u>APPLICATION NAME</u>
Transportation (Con't)	
	Accts 81 82 and 84 Cash System
	Address Labels
	Admin. Management System
	Administrative Reports
	Aeronautics Mailing Labels
	Aeronautics-Airport Inventory
	Affirmative Action
	Age Profiles
	Air Transportation Planning
	Airphoto Report
	Airport Inventory Sys. Develop.
	Alpha Listg of Indiv Leav Stmt
	AMS Expenditures
	Annual Hiway Condition Report
	Annual Reports (78-79 FY)
	Automated Design Plans
	Automated Plot of Photo Data
	Automobile Mgmt System
	Bid Opening
	Bridge Cost Analysis
	Bridge Eng. Prod. Report Syst.
	Bridge Engineering Services
	Bridge Inventory Systems
	Budget Management Reports
	Budget Monitoring System (BMS)
	Budget Preparation
	Budget Status
	Bulk Fuel
	Bulk Fuel Accounting System
	Car Pool Usage
	Carbon Monoxide Sample Survey
	Carpool Cartag System
	Carpool Matching System
	Carpooling
	Cash Balance System
	Citizen Participation Mailing
	Commuter Computer Carpool Syst
	Comparable Market Data
	Computation of Fleet Char Rat
	Computerize Year-End Closing
	Constr Management System
	Construct. Unit Cost & Data
	Construction Contractor Staff.
	Construction Management System
	Contractor Safety Report
	Contractors Safety Reports
	Convert Off Of Equi Rep To Com
	Correction For Eas Not Mas Fil
	Cost Estimate Print
	Daily Lab Charges
	Data Management Statewide Sur
	Data Management TPSIS
	Data Processing
	Delegated Testing
	Depreciable Equip Inventory
	Design Management System
	Design Spec. Problems & Assist
	Dist EDP Unit Billing
	Dist Maint Traffic Stripe
	Dist Reporting Unit Masterfi
	Dist Telephone List
	Dist 11 Personnel
	District Management Info.
	District of Mis Pilot
	District Relocation Assist PGM
	District Training Files
	District VIOC
	District Ol Pilot Budget

<u>AGENCY</u>	<u>APPLICATION NAME</u>
Transportation (Con'd)	District 7 Accounts Rec Duplicate Accidents E & S Outages EDP Accounting System EDP Billing System EDP Budget System EDP Proc. District Plan. Proj. Emergency Rental Equip Cal Lst Employee Parking Employee Parking Decals Employee Position Code Cost Engineering Cost Reporting Engineering Data Set System Engineering Estimates (Maint) Environmental Status Equip Radio Communications Mgt Equip Shop Operations Analysis Equip Work Order Alltmt By Veh Equip Work Orders Mgmt Rep Sys Equipment Accounts Payable Equipment CHC Report Equipment Training Reports Excess Lands Inventory Expenditure Monitoring Factsheet Reporting Fed. Aid Interstate Cost Est. Fed. Traffic Simulation Models Federal Aid Reports Federal Legis Hiway Reports Federal Syst. Small Studies Fire Extinguisher G.F. Atkinson vs Caltrans Geometronic Special Problems Geometrics Application Supp. H & V Control Index Hansel Phelps Vs Caltrans Highway Project Priority Hiway Skid Resistance Inventor Index of Construction Contract Indirect Technical Support Interactive Trans Land Use Mod Interstate Cost Est. Sys.-Prod Jury Duty Report Key Punch Time Keypunch Expenditure Lab. Mat. & Research Land and Build Maint Stat Modl Land and Build Special Report Land and Building Enhacements Land and Buildings Inventory Land Surveys Map Index Legal Library Legal Tranactions Legislative Budgeting System Legislature Bill Status Report Litigation Report Local Assist Status Reports Local Interagency Library Local Road Finance Report Local Road Finance Reports-Dev Mac Budget Monitor. Syst. Machine Accounting (MAC) Mailing Labels Maint Historical Workplan Maint Production Monit Maint Roster Maint Stiping Activity

<u>AGENCY</u>	<u>APPLICATION NAME</u>
Transportation (Cont'd)	Maint Unit Cost Program Maint Acctg Edits & Data Base Maint Count of Trucks Faint Fed Current Bill Syst Maint Fed Traffic Simulation Maint Monthly & Annual Report Maint of Engineer Construct Maint U.C. Berkeley T.S.M. Maintain "Finplan" Maintain A Count of Trucks Maintenance Management Maintenance Management System Maintenance Permit Index Major Equipment Report Management Reporting System Manual Updates Distribution Manuals Inventory System Mass Transportation Mass Transportation Product Massman vs Caltrans Mat Mgmt Syst Acct Subsyst Material Management System Materials Lab Daily Charges Mckinsey & Co Study MCS Maintenance Control System Mice Signal Inventory Miscellane Labels MMS Chemical Use System Modify Three (Permis) Programs Monitoring System Reports Monthly & Annual Financial Re. Monthly Field Attendance Repor MTC Equip & Radio Inventory MTCE Equip Usage Program Needs Study New Accounting Systems Study Newsletter List Non Rental Equipment Non-Expendable Inventory Non-Expendable Property Inv. Off Of Equ Sev Equ Pro Cont Sy Off Of Equip Fleet Mgmt Enhann Off Of Equip Labor and Materls Off of Equip Production Systms Office Engineer, ATMS Prod. Office of Equip Production Sys OFM616 Budget Reports On-Line Bdgt, Cost & Display Open Salary Advances Operating Expense Monitoring Overhaul Proration System Overhead Rate Overtime & Nuclear Report Parcel Planning System Pavement Condition Reporting Pavement Management System Pay Scales Paycheck Distribution Payroll Warant Register Payroll Warrant Register Pending Construction Personnel Customized Reports Personnel Dele Testing & Certi Personnel Engineerg Staf Ratio Personnel Expenditure Monitoring Personnel Hours For Month Personnel Management Reports Personnel Roster & Telephone

AGENCY

Transportation (Cont'd)

APPLICATION NAME

Personnel Salary Listing  
Pollution Model Supp. Translab  
Pollution Model Syst. Maint.  
Position Control  
Preliminary Est Of Cost Review  
Private Car Mileage  
Processing Charges  
Prod and Main Of Pro Mgt Co Sy  
Production of Federal Bill  
Program Budget Conversion  
Program Summaries  
Progress Pay (Maint)  
Progress Pay Development  
Proj Development Man Yr Schedu  
Proj History Storage and Analy  
Proj Mangmt Control Video Inve  
Proj Mangmt Control Dist Pro Chg  
Project Control Boards  
Project Control Reports  
Project Devlp. Hiway Design Ap  
Project Devlp. Training Users  
Project Master File (PMF)  
Public Information System  
Public Road Mileage Reports  
Public Roads Mileage Reports  
Quarterly Est of Personnel Doll  
R/W Excess Land Roster  
R/W Parcel Estimate  
R/W Personnel Experience Roster  
R/W Rent Outdoor Advrt Sgn Par  
R/W Rental  
R/W Rental System  
R/W Rental 3-Day Notice  
R/W Sales Prospt Bid Mail List  
R/W Tenant Listing  
Rap Inventory & Control System  
Record of Instruction Manuals  
Recreational Use Gas Tax Surv.  
Register of Invoices  
Reimbursed Local Assistance  
Report of Man Years Worked  
Reporting Improvements  
Reproduct Serv Susp Acct  
Reproduction Billing  
Reproduction Summary  
Reproduction Supply Inventory  
Revise Fleet Management System  
Rewrite (MAC) Cics Subsystem  
Right of Way Capital Prog. Sys  
Right of Way Control System  
Right of Way Ea Log  
Right of Way Excess Lands Syst  
Right of Way Mgmt Syst Devel  
Right of Way Misc Production  
Right of Way Rental Reports  
Right of Way Rental System  
Right of Way Support Prog. Mgmt  
Safety Decal Award System  
Safety Hours Report  
Safety Reports  
Safety Reports Development  
Scope - Caltrans Cics Monitor  
Selective Record Modification  
Serv & Supply Warehouse Labels  
Signal & Lighting Bill System  
Signal & Lighting Inventory Sy  
Skid Resistance Inventory

<u>AGENCY</u>	<u>APPLICATION NAME</u>
Transportation (Con't)	Slide Selection Spec. Requests For Hiway Plan Spending Plan-Budget Staff and Maint Man-Yr System Staff Time Sheet Summary Staff Time Sheets Staffing Plan State Furnished Materials Statewide Planning Reporting Status Freeway Expway Progress Status of Construction Project Status of Minor Contractos Stores Inventory System Ehancmt Structures Frame Syst. Conver. Structures Maintenance System Structures Spec. Problem Asst Survey Photo Index Surveys Management System System MODS and Enhancements Teale Data Center Needs Study Telephone Directory Teleprocessing & Key Punch Log Terrain/Planimetry Digital Int Time Sheet Edit Listing Toll Bridge Accounts Receivable Toll Collection Audit & History Toll Registration Audit & Coll Traffic Accident Pilot Traffic Accident Report System Traffic Count Tabulation Traffic Management System Traffic Performance Traffic Sign Log Traffic Signal Costs Report Traffic Signal Inventory Billg Traffic Volumes System Traffic Volumes Systems Training Activity Training Gap Sheets Training Report Training Reports Training Roster Trans Planning Chrgs-Other Dist Transaction Summary Translab Applic. Maint. Suppt. Translab-Spec. Prob. & Assist. Transport. Develop. Fis. & Stat Trasportation Funds Summary Transporation System Managemt Trial Balance U.C. Berkeley Traffic Simulat. Unit Management Proration User Cost Distribution Report Utility Billing Utility Billing System Veh Assignment & Storage Repor Vehicle Usage Report Water Consumption Worksheet Weekday Vehicles Miles West Coast Corridr Stu Add Iss Word Processing Mailrm Traf Etc Work Authorizations Working Days Calendar

<u>AGENCY</u>	<u>APPLICATION NAME</u>
Treasurer	A/T Monthly Paids Bank Deposit Reconciliation Bond & Coupon Reconciliation CTS Bank Reconciliation Investment Information System WIC-Management/Inventory Cont.
Veterans Affairs	Cal-Vet Loans
Water Resources	Address Label System Automated Budget System CA Aqueduct Optimizing Model-I CA Aqueduct Optimizing Model -II Climate Information System Contractor Billing System CSO Management Systems Equipment Accounting System Finite Element Analysis Ground Water Level Measurement Land Class And Use Legal Information System Miscellaneous Devep & Maint. Miscellaneous Non-Reimbursable Miscellaneous Production Miscellaneous Reruns O & M Mgmt Information System Personnel Management System Photogrametric Support System Program Cost Accounting System Promt (PERT) Surface Water Measurement Tape Conversions Training Records System Utility Cost Accounting System Water Data Info System (WDIS) Watermaster Accounting Well Logs Information
Water Resources Control Board	Modeling Other Systems Statewide Wastewater Info Mgmt

APPENDIX C

GENERIC TYPE REPORT

## GENERIC TYPE REPORT

		TOTAL COST (X 1000)	USE
PERSNNEL SYSTEMS	AFFIRMATIVE ACTION REPORTING		
GENERAL SERVICES	AFFIRMATIVE ACTION SYSTEM	8	NEW
INDUSTRIAL RELATIONS	AFFIRMATIVE ACTION	11	PROD
TRANSPORTATION	AFFIRMATIVE ACTION	6	NEW
EMPLOYMENT DEV	EQUAL EMPLOYMENT OPPORTUNITY	37	PROD
REHARILITATION	PERSONNEL & AFFIRMATIVE ACTION	6	PROD
SOCIAL SERVICES	PERSONNEL & AFFIRMATIVE ACTION	C	PROD
	AFFIRMATIVE ACTION REPORTING	25	PROD
**	CO AFFIRMATIVE ACTION DATA COL	36	NEW
	<b>TOTAL</b>	<b>129**</b>	
EMPLOYEE PERSONAL ACCIDENTS	SAFETY DECAL AWARD SYSTEM	0	PROD
TRANSPORTATION	<b>TOTAL</b>	<b>0**</b>	
EMPLOYEE PERSONAL ACCIDENTS			
PAYROLL SYSTEM	PPSD AND SDD PRINTING SERVICES	233	NEW
CONTROLLER	PAYROLL SYSTEM	287	NEW
	PAYROLL-DEVELOPMENT	771	NEW
HIGHWAY PATROL	PAYROLL (7074 APPLIC.)	718	PROD
TRANSPORTATION	INVOICE OF CROSSING GUARD SAL.	324	PROD
	PAYROLL WARRANT REGISTER	1	PROD
	OPEN SALARY ADVANCES	19	PROD
	TIME SHEET EDIT LISTING	0	PROD
	PAYROLL WARRANT REGISTER	0	PROD
	<b>TOTAL</b>	<b>2,353**</b>	
PERSONNEL - TRAINING REPORTING	INVENTORY OF IN-SERVICE TRNG	2	PROD
HIGHWAY PATROL	FIRST-AID TRNG PERSONNEL INV	4	PROD
PUBLIC UTILITIES COMM	PUBLIC AFFAIRS	10	PROD
TRANSPORTATION	TRAINING REPORTS	7	NEW
	EQUIPMENT TRAINING REPORTS	8	PROD
	DISTRICT TRAINING FILES	0	NEW
	DATA PROCESSING	0	PROD
	TRAINING ROSTER	0	PROD
	TRAINING REPORT	1	PROD
	TRAINING ACTIVITY	2	PROD
	TRAINING RECORDS SYSTEM	5	PROD
	TRAINING RECORDS (TRG)	18	PROD
	APPRAISER CERTIFICATION & TRNG	11	PROD
	TRAINING INFORMATION PROCESS	C	PROD
**	VIDEO DATA INPUT TRAINING	0	PROD
	<b>TOTAL</b>	<b>68**</b>	

## GENERIC TYPE REPORT

		TOTAL COST (x 1000)	USE
PERSONNEL SYSTEMS	CONTINUED		
PERSONNEL - PERSONAL PROFILES/SKILLS REGISTER			
PERSONNEL BOARD			
SENIORITY LIST PROCESSING	6	PROD	
SENIORITY LIST PROCESSING	1	NEW	
CLASSIFICATION LEVEL TRACKING	0	PROD	
SPB MANAGEMENT INFORMATION REP	90	PROD	
SPB MANAGEMENT INFORMATION REP	25	NEW	
MANAGEMENT INFORMATION SYSTEM	68	NEW	
DELEGATED TESTING	8	NEW	
AGE PROFILES	8	NEW	
JOB RANK	977	PROD	
TOTAL	1,183**		
TRANSPORTATION			
EMPLOYMENT DEV			
PERSONNEL - PERSONAL PROFILES/SKILLS REGISTER			
PERSONNEL - POSITION CONTROL			
GENERAL SERVICES	2	PROD	
HIGHWAY PATROL	9	PROD	
PERSONNEL BOARD	5	PROD	
PUBLIC UTILITIES COMM	2	PROD	
TELE DATA CENTER	0	NEW	
TRANSPORTATION	0	PROD	
DSP EMPLOYEE TIME REPORTING	10	PROD	
PERSONNEL ROSTER FILE	0	PROD	
AUTOMATED TRANSFER & RECRUIT	12	PROD	
PERSONNEL POSITION REPORTING	17	NEW	
PERSONNEL POSITION REPORTING	17	PROD	
TRANSPORTATION DIV PERSONNEL	10	PROD	
PERSONNEL ROSTER	0	PROD	
POSITION CONTROL	12	PROD	
POSITION CONTROL	17	NEW	
EMPLOYEE POSITION CODE COST	3	PROD	
PER SONNEL SALARY LISTING	2	PROD	
PIM-DHS STAFFING LEVEL RPT SYS	958	NEW	
PRS-PERSONNEL ROSTER-POSITIONS	7	PROD	
POSITION EMPLOYEE ROSTER	6	PROD	
CODES AND STANDARDS TIME RPTING	25	PROD	
TOTAL	1,058**		
DEPARTMENT OF HEALTH SERVICES			
DEPARTMENT OF DEVELOPMENTAL SERVICES			
HOUSING AND COMMUN DEV			
PERSONNEL - POSITION CONTROL			
PERSONNEL - LEAVE ACCOUNTING			
GENERAL SERVICES	18	PROD	
PERSONNEL BOARD	1	PROD	
PUBLIC UTILITIES COMM	45	PROD	
TRANSPORTATION	94	PROD	
STAFF TIME SHEETS	6	PROD	
ALPHA LISTG OF INDIV LEAV STMT	0	PROD	
SICK LEAVE ACCOUNTING	0	PROD	
PERSONNEL LEAV FILE	18	PROD	
(PERMIS)	18	PROD	
JURY DUTY REPORT	1	PROD	
LEAVE BALANCE	23	PROD	
PERSONNEL MGMT INFORMATION SYS	1	PROD	
PERSONNEL LEAVE ACCOUNTING	0	PROD	
PERSONNEL PROCESS	0	PROD	
TOTAL	393**		
EMPLOYMENT DEV			
SOCIAL SERVICES			
FOOD AND AGRICULTURE			
MOTOR VEHICLES			
PERSONNEL - LEAVE ACCOUNTING			
**			

## GENERIC TYPE REPORT

		TOTAL COST (X 1000)	USE
PERSONNEL SYSTEMS	CONTINUED		
PERSONNEL - HISTORY OF PERSONNEL ACTIONS			
CONTROLLER			
HIGHWAY PATROL	EMPLOYMENT HISTORY SYSTEM	1,951	PROD
TRANSPORTATION	EMPLOYMENT HISTORY-MAINTENANCE	613	PROD
EMPLOYMENT DEV	EMPLOYMENT HISTORY-DEVELOPMENT	613	NEW
** PERSONNEL - HISTORY OF PERSONNEL ACTIONS	UNIFORM ALLOWANCE ANNIVERSARY	3	PROD
	ST PERS BD IN-SERVICE TRNG	1	PROD
	TRANSACTION SUMMARY	9	NEW
	PERSONNEL TRANSACTIONS (PTR)	160	PROD
	TOTAL	3,950**	
PERSONNEL - MISCELLANEOUS REPORTS	HEALTH BENEFITS-DEVELOPMENT	0	NEW
CONTROLLER	CHP CADET PER SONNEL QUES.SURV.	3	PROD
HIGHWAY PATROL	LINER PLOT OF EMPLOYEE RESP.	1	PROD
PARKS AND RECREATION	MANAGEMENT TEAM SURVEY	1	PROD
PERSONNEL BOARD	PIMS TAPE PROCESSING	15	NEW
	PAY RESOLUTION & PAY SCALE	4	NEW
	PAY RESOLUTION & PAY SCALE	1	PROD
	LOCAL GOVT EXAM PROCESSING	20	PROD
	LOCAL GOVT EXAM PROCESSING	1	NEW
	MERIT SERVICE SYSTEM	1	PROD
	CPS MISCELLANEOUS PROCESSING	1	PROD
	EXAMINATION PROCESSING	65	NEW
	EXAMINATION PROCESSING	460	PROD
	CERTIFICATION LIST PROCESSING	60	PROD
	CERTIFICATION LIST PROCESSING	77	PROD
	PAY RESOLUTION & PAY SCALE SYS	1	NEW
	GRIEVANCE APPEALS TRACKING	5	PROD
TELE DATA CENTER	PERSONNEL	7	PROD
TRANSPORTATION	TRAINING GAP SHEETS	0	PROD
	KEY PUNCH TIME	10	NEW
	PERSONNEL CUSTOMIZED REPORTS	0	PROD
	MODIFY THREE (PERMIS) PROGRAMS	19	PROD
	PAY SCALES	11	PROD
	(PERMIS) FEASIBILITY STUDY	7	NEW
	PERSONNEL MANAGEMENT REPORTS	6	NEW
	MCS MAINTENANCE CONTROL SYSTEM	0	PROD
	TELEPHONE DIRECTORY	8	PROD
	PAYCHECK DISTRIBUTION	0	PROD
	OVERTIME & NUCLEAR REPORT	0	PROD
	PERSONNEL ROSTER & TELEPHONE	0	PROD
	QUARTERLY EST OF PERSONNEL DOLL	0	PROD
	SAFETY HOURS REPORT	0	PROD
	DIST 11 PERSONNEL	3	PROD
	PERSONNEL DELL TESTING & CERTI	1	PROD
	DIST TELEPHONE LIST	0	PROD
	PERSONNEL HOURS FOR MONTH	0	PROD

## GENERIC TYPE REPORT

		TOTAL COST (X 1000)	USE
CONTINUED			
PERSONNEL SYSTEMS	PERSONNEL - MISCELLANEOUS REPORTS		
	WATER RESOURCES		
	DEPARTMENT OF HEALTH SERVICES		
	DEPARTMENT OF DEVELOPMENTAL SERVICES		
	EQUALIZATION		
**	PERSONNEL - MISCELLANEOUS REPORTS		
015	EQUALIZATION		
** 015			
*** PERSONNEL SYSTEMS			
	JOB ACCOUNTING	TOTAL	4 PROD 4**
		TOTAL	9,315***
CONTINUED			
	PERSONNEL MANAGEMENT SYSTEM	22	PROD
	BDC-BUDGET CONTROL SYSTEM	14	PROD
	LABOR RELATIONS	0	PROD
	PERSONNEL ACCOUNTING	13	PROD
	TOTAL	777**	

## GENERIC TYPE REPORT

		TOTAL COST (X 1000)	USF
TRACKING SYSTEMS			
CLAIM PROCESSING/TRACKING			
CONTROLLER	GENERAL DISBURSEMENT PROCESSES	661	PROD
INDUSTRIAL RELATIONS	RAP INVENTORY & CONTROL SYSTEM	79	PROD
TRANSPORTATION	TRUST & SECURITY FUND PROGRAMS	4	PROD
REHABILITATION	TRUST & SECURITY FUND PROGRAMS	3	PROD
DEPARTMENT OF HEALTH SERVICES	TRUST & SECURITY FUND PROGRAMS	0	NEW
DEPARTMENT OF DEVELOPMENTAL SERVICES	MQC-MEDI-CAL ELIG QUALITY CONT	76	6
** CLAIM PROCESSING/TRACKING	RFG-REFUGEE TRACKING & COST RP	19	PROD
	TOTAL	843**	PROD
CONTRACT MANAGEMENT	SERVICE CONTRACTS	5	PROD
GENERAL SERVICES	INDEX OF CONSTRUCTION CONTRACT	0	PROD
TRANSPORTATION	CMS-CONTRACT MANAGEMENT SYSTEM	4	PROD
DEPARTMENT OF HEALTH SERVICES	MSU-PHP SERVICES UTILIZATION	220	NEW
	TOTAL	229**	PROD
COMPLAINT/CASE TRACKING	PROCEEDINGS MONITOR "PENDAC"	84	PROD
PUBLIC UTILITIES COMM	PROJECT MONITOR "PROMISE"	77	PROD
DEPARTMENT OF HEALTH SERVICES	CTR-CAL TUMOR REGISTER SYSTEM	79	PROD
** CONTRACT MANAGEMENT	HQP-HIGH-RISK PREGNANCIES	36	NEW
	LPT-LEAD POISONING TESTING	0	NEW
	COMPLAINT/INVEST TRACKING SYST	33	NEW
	DIVISION OF INVESTIGATION	48	PROD
	TOTAL	357**	PROD
LEGISLATIVE TRACKING/INFO	LEGISLATIVE TRACKING/INFO	145	PROD
	TOTAL	145**	PROD
PEOPLE TRACKING	PRIVATE CAR MILEAGE	C	PROD
TRANSPORTATION	MONTHLY FIELD ATTENDANCE REPOR	0	PROD
EMPLOYMENT DEV	EMPLOYMENT SECURITY AUTO RPTG	808	PROD
REHABILITATION	APPLICANT DATA SYSTEMS	664	PROD
DEPARTMENT OF HEALTH SERVICES	CASELOAD REPORTING SYSTEM	83	PROD
** LEGISLATIVE BILL TRACKING	CASELOAD REPORTING SYSTEM	53	PROD
	CCA-CHDP CLAIMS ACCOUNTING SYS	127	NEW
	CCS-CRIPPLED CHILDREN'S SERV	126	PROD
	CTS-CANCER INCIDENCE SYSTEM	55	PROD
	HTS-HYPERTENSION SURVEY-STUDY	45	NEW
	NBT-NEWBORN TESTING	12	NEW
	CONTINUOUS CARE SERVICES	24	PROD

## GENERIC TYPE REPORT

		TOTAL COST (X 1000)	USE
**	PEOPLE TRACKING	2,025**	
	DEPARTMENT OF DEVELOPMENTAL SERVICES		
	CONTINUED	CONTINUED	
	LABOR RELATIONS	0	PROD
	PATIENT HISTORY SYSTEM	0	PROD
	CLIENT CENSUS	14	NEW
	CONTINUING CARE SERVICES	14	PROD
	TOTAL	2,025**	
**	MISCELLANEOUS TRACKING SYSTEMS		
	EDUCATION	2	PROD
	GENERAL SERVICES	7	PROD
	PARKS AND RECREATION	0	PROD
	PLANNING AND RESEARCH	71	PROD
	PUBLIC UTILITIES COMM	38	PROD
	TRANSPORTATION	14	PROD
	TOTAL	104	PROD
**	PEOPLE TRACKING	497**	
	DEPARTMENT OF DEVELOPMENTAL SERVICES		
	CONTINUED	CONTINUED	
	TRAFFIC SAFETY EDUCATION	2	PROD
	RECORDS CENTER INFO SYSTEM	7	PROD
	PARKS AND REC INFO	0	PROD
	FEDERAL GRANT APPLICATION REV.	71	PROD
	ENVIRONMENTAL DOCUMENT REVIEW	38	PROD
	SPECIAL REPORTS	14	PROD
	INDEX OF FORMAL MATTERS	10	PROD
	PROJECT INDEX	10	PROD
	SURVEY PHOTO INDEX	0	PROD
	LITIGATION REPORT	13	PROD
	BUDGET MONITORING SYSTEM (BMS)	18	PROD
	EDP BUDGET SYSTEM	29	NEW
	LEGAL TRANSACTIONS	0	PROD
	DISTRICT 7 ACCOUNTS REC	0	PROD
	DIST REPORTING UNIT MASTERFILE	0	PROD
	WELL LOGS INFORMATION	3	PROD
	PUBLIC ENTITY LIABILITIES	9	PROD
	CERT OF NEED EXEMPTION SYSTEM	16	NEW
	FAIR HEARINGS CALENDAR & REPTG	208	PROD
	CO WORKLOAD & ADMIN COST COMPA	5	PROD
	OES INUNDATION AND EVACUATION	4	PROD
	ARM-ABORTION MONITORING	3	NEW
	ABS-ABORTION SURVEY SYSTEM	3	NEW
	HCS-PAID CLAIMS MISCELLANEOUS	2	PROD
	HWM-HAZARDOUS WASTE MANAGEMENT	32	NEW
	MIS-DOCUMENT PROCESSING	0	PROD
	TOTAL	497**	
**	MISCELLANEOUS TRACKING SYSTEMS		
	TEALE DATA CENTER	0	PROD
	EMPLOYMENT DEV	79	PROD
	WIN WORK INCENTIVE	13	PROD
	TRA TRADE READJUSTMENT ACT	913	PROD
	ECC EMBOSSED CARD PAYMENTS	64	PROD
	OPT OVERPAYMENTS	28	PROD
	ICP INTERSTATE PAYMENT SYSTEM	16	PROD
	UBR UNEMPLOY INS BANK RECONCIL	24	PROD
	BPS U/T BENEFIT PMT STATISTICS	7	PROD
	A SC-ACCOUNTING SCHEDULE/CLAIMS		
	TOTAL	1,404**	
**	189	5,500 ***	
*** TRACKING SYSTEMS			

## GENERIC TYPE REPORT

		TOTAL COST (X 1000)	USE
RETIREMENT/PENSIONS SYSTEMS			
EMPLOYEE RETIREMENT SYSTEM	BENEFIT PAYEE SYSTEM	504	PROD
PUB EMPL RET SYS	TOTAL	504***	
** EMPLOYEE RETIREMENT SYSTEM			
IRS PENSION REPORTING	IRS REPORTING	14	PROD
PUB EMPL RET SYS	TOTAL	14***	
** IRS PENSION REPORTING			
PENSIONS - RECEIPTS ACCOUNTING	ACTIVE MEMBER RECORDS	400	PROD
PUB EMPL RET SYS	ACTIVE MEMBER SYSTEM	733	PROD
TEACHERS RETIREMENT SYS	ACTIVE MEMBER SYSTEM	104	NEW
** PENSIONS - RECEIPTS ACCOUNTING	TOTAL	1,237***	
PENSIONS - CONTRACT & EMPLOYER ACCOUNTING	EMPLOYER ROSTER SYSTEM	84	NEW
PUB EMPL RET SYS	ACTS RECEIVABLE/PAYABLE SYST	68	PROD
TEACHERS RETIREMENT SYS	ACTS RECEIVABLE/PAYABLE SYST	4	NEW
** PENSIONS - CONTRACT & EMPLOYER ACCOUNTING	VERIFICATIONS SYSTEM	25	PROD
PENSIONS - DISBURSEMENTS	BENEFIT SYSTEM	194	PROD
TEACHERS RETIREMENT SYS	BENEFITS SYSTEM	98	NEW
** PENSIONS - DISBURSEMENTS	TOTAL	292***	
PENSIONS - ROSTER	PUBLIC AGENCY MEMBERSHIP RPTG	62	NEW
PUB EMPL RET SYS	RETIREMENT ROSTER SYSTEM	307	NEW
** PENSIONS - ROSTER	TOTAL	369***	
OTHER RETIREMENT/PENSION APPLICATIONS	BENEFITS CALCULATION & PAYMENT	89	PROD
PUB EMPL RET SYS	GENERAL SUPPORT	35	PROD
TEACHERS RETIREMENT SYS	GEN SUPPORT AND AD HOC INCREAS	75	NEW
** OTHER RETIREMENT/PENSION APPLICATIONS	TOTAL	199***	
*** RETIREMENT/PENSIONS SYSTEMS	TOTAL	2,796***	

## GENERIC TYPE REPORT

		TOTAL COST (x 1000)	USE
<b>PERFORMANCE REPORTING &amp; EVALUATION SYSTEMS</b>			
AUDIT	FINANCE		
	SUPPLEMENTARY SECURITY INCOME COMPUTED AUDIT RETRIEVAL SYS	21	PROD
	SELF INSURANCE PLANS ANNUL PROC	28	PROD
	FIELD AUDIT	16	PROD
	HEW-HEW AUDIT	19	PROD
	MCF MEDI-CAL ELIGIBILITY	60	PROD
	PRAD-AUDIT ACTIVITIES	11	PROD
	<b>TOTAL</b>	0	PROD
		155**	
**	AUDIT		
	BENEFIT REPORTING		
	DEPARTMENT OF HEALTH SERVICES		
	** BENEFIT REPORTING		
	CASE/CLIENT REPORTING		
	FIRE MARSHAL		
	INDUSTRIAL RELATIONS		
	DEPARTMENT OF HEALTH SERVICES		
C	DEPARTMENT OF DEVELOPMENTAL SERVICES		
**	FACILITY UTILIZATION		
	TRANSPORTATION		
	HEALTH PLG & DEV. OFF. OF		
	HEALTH FACILITIES COMM.		
	DEPARTMENT OF HEALTH SERVICES		
	FACILITY UTILIZATION		
**	HEALTH BENEFITS REPORTING		
	PUB EMPL RET SYS		
	DEPARTMENT OF HEALTH SERVICES		
	** HEALTH BENEFITS REPORTING		
	HOSPITAL & MEDICAL CARE COVER		
	HEALTH BENEFITS SYSTEM		
	RIS-BUDGET INFORMATION SYSTEM		
	4FP-MEDI-CAL FAM PLAN RPT REV		
	MMI-MEDI-CAL MANAGEMENT INF SY		
	NPA-MISC MEDI-CAL REQUEST		
	FFP FED FINANCIAL PARTICIPATIN		
	<b>TOTAL</b>	709**	

## GENERIC TYPE REPORT

		TOTAL COST (X 100C)	USE
<b>HIGHWAY MAINTENANCE PROGRAM REPORTING</b>			
PERFORMANCE REPORTING & EVALUATION SYSTEMS	CONTINUED		
	Maint Roster		
	FEDERAL LEGIS HIWAY REPORTS	0	PROD
	ANNUAL HIWAY CONDITION REPORT	64	PROD
	MAINTENANCE MANAGEMENT SYSTEM	8	PROD
	MAINTENANCE MANAGEMENT SYSTEM	195	PROD
	TRAFFIC SIGNAL INVENTORY BILLG	160	PROD
	MAINTENANCE PERMIT INDEX	81	NEW
	F&S OUTAGES	0	PROD
	MTCE EQUIP USAGE PROGRAM	2	PROD
	MAINT UNIT CUST PROGRAM	0	PROD
	SIGNAL & LIGHTING INVENTORY SY	1	PROD
	WICE SIGNAL INVENTORY	0	PROD
	WATER CONSUMPTION WORKSHEET	0	PROD
	MMS CHEMICAL USE SYSTEM	0	PROD
	DIST MAINT TRAFFIC STRIPE	0	PROD
	MAINT STRIPPING ACTIVITY	0	PROD
	TOTAL	511**	
	R/W PARCEL ESTIMATE	0	PROD
	TOTAL	0***	
	HIGHWAY RIGHT-OFF-WAY REPORTING		
	TRANSPORTATION		
**	HIGHWAY RIGHT-OFF-WAY REPORTING		
	PAVEMENT CONDITION REPORTING		
	TRANSPORTATION		
**	PAVEMENT CONDITION REPORTING		
	PERT		
	TRANSPORTATION		
**	PERT		
	PERSONNEL UTILIZATION/MANPOWER PLANNING/STAFFING ANALYSIS		
	FORESTRY		
	PUBLIC UTILITIES COMM		
	TRANSPORTATION		
	PROGRAM TIME REPORTING SYSTEM	34	PROD
	STD TIME REPORTS	21	PROD
	UTIL. DIV MAN-HOURS	11	PROD
	KEYPUNCH PERFORMANCE	11	PROD
	CONSTRUCTION CONTRACTOR STAFF.	3	PROD
	R/W PERSONNEL EXPERIENCE ROSTR	0	PROD
	STAFFING PLAN	0	PROD

## GENERIC TYPE REPORT

		TOTAL COST (x 1000)	USE
<b>PERFORMANCE REPORTING &amp; EVALUATION SYSTEMS</b>			
PERSONNEL UTILIZATION/MANPOWER PLANNING/STAFFING	CONTINUED		
HEALTH PLG & DEV. OFF. OF REHABILITATION	PERSONNEL ENGINEERING STAFF RATIO CALIF HEALTH MANPOWER REPORTS CASELOAD MANAGEMENT SYSTEM CASELOAD MANAGEMENT SYSTEM LBR - LABOR RELATIONS TRS-LIC & CERT TIME RPTG SYSTEM	0 11 6 23 2 10	PROD PROD PROD PROD PROD PROD
DEPARTMENT OF HEALTH SERVICES	POSITION CONTROL	10	PROD
DEPARTMENT OF MENTAL HEALTH	STAFFING STANDARDS	8	PROD
DEPARTMENT OF DEVELOPMENTAL SERVICES	STAFFING STANDARDS	7	PROD
EQUALIZATION	ASSESSMENT STANDARDS TIME RPTG BUSINESS TAXES TIME REPORTING DATA PROCESSING DIVISION T/R INTERCOUNTY EQUALIZATION T/R LEGAL TIME REPORTING VALUATION TIME REPORTING WORK MEASUREMENT MGMT REPORTING & CONTROL VIDEO DATA INPUT STATISTICS	1 15 51 7 0 1 4 0	PROD PROD PROD PROD PROD PROD PROD PROD
MOTOR VEHICLES	PERSONNEL UTILIZATION/MANPOWER PLANNING/STAFFING ANALYSIS	235**	
**			
<b>PROGRAM EFFECTIVENESS EVALUATION</b>			
EDUCATION	PROGRAM EVALUATION AND RESEARCH CFTS TASK FORCE INCOME FROM PTS RETIREMENT EMP	21 1,352	PROD NEW
FINANCE	CAL/OSHA CONSULTATION STATISTS RFBENEFIT NOTICES PROCESSING	0 10	PROD NEW
INDUSTRIAL RELATIONS	CONSUMER COMPLAINT FILE VPP-VOLUME DRUG PURCHASE PLAN	53 51	PROD PROD
PUBLIC UTILITIES COMM	WES-WIC EVALUATION STUDY	6	PROD
DEPARTMENT OF HEALTH SERVICES	COMPENSATORY EDUCATION	10	NEW
DEPARTMENT OF DEVELOPMENTAL SERVICES	TOTAL	9	PROD
**			
<b>PROGRAM STATISTICAL REPORTING</b>			
INDUSTRIAL RELATIONS	WORK INJURY STATISTICS APPRENTICESHIP--VETERANS TRAIN	74 18	PROD PROD
PARKS AND RECREATION	APPRENTICESHIP AGREMENTS AND STD HISTORY AND PARK STAT REPORTNG VISITOR ATTENDANCE CRIME REPORTING RESERVATION RECREATIONAL USE GAS TAX SURV.	47 12 0 0 0 0	PROD PROD PROD PROD PROD PROD
TRANSPORTATION	FEDERAL SYST. SMALL STUDIES PUBLIC ROAD MILEAGE REPORTS LOCAL ROAD FINANCE REPORT SPEC. REQUESTS FOR HIWAY PLAN. FED. AID INTERSTATE COST EST. PUBLIC ROADS MILEAGE REPORTS	1 11 5 4 6 16	PROD PROD PROD PROD PROD PROD

GENERIC TYPE REPORT

		TOTAL COST (X 1000)	USF
CONTINUED			
PERFORMANCE REPORTING & EVALUATION SYSTEMS			
PROGRAM STATISTICAL REPORTING			
ALCOHOL AND DRUG ABUSE	LOCAL ROAD FINANCE REPORTS-DEV	16	PROD
MONTHLY ADMISSION & UTILIZATION EVALUATION PROJECT	TRAFFIC ACCIDENT PILOT	0	PROD
CLIENT ORIENTED DATA ACQUISITION	MONTHLY ADMISSION & UTILIZATION EVALUATION PROJECT	4	PROD
NAT DRUG ABUSE TREATMENT UTIL	CLIENT ORIENTED DATA ACQUISITION	6	NEW
DRUG PROGRAM EVALUATION	NAT DRUG ABUSE TREATMENT UTIL	27	PROD
WOMEN IN CRISIS FILE	DRUG PROGRAM EVALUATION	18	PROD
CLIENT STATUS REPORT	WOMEN IN CRISIS FILE	8	PROD
EMPLOYMENT DEV	CLIENT STATUS REPORT	5	PROD
EMPLOYER STATISTICS	EMPLOYER STATISTICS	1	PROD
ES-202 REDESIGN (ERT)	ES-202 REDESIGN (ERT)	0	PROD
REHABILITATION	MASTER INDUSTRY CLASSIFICATION	70	PROD
SOCIAL SERVICES	STATISTICAL REPORTING SYSTEM	41	PROD
GENERAL REPORTING	STATISTICAL REPORTING SYSTEM	61	PROD
FOSTER CARE REPORTING SYSTEM	STATE SUPPLEMENTAL PAYMENT PGM	65	PROD
ADOPTION RELINQUISHMENT	GENERAL REPORTING	154	PROD
MDR-MEDI-DRUG REPORTING SYSTEM	ADOPTION RELINQUISHMENT	189	PROD
MFR-MEDI-CAL FEDERAL REPORTS	MDR-MEDI-DRUG REPORTING SYSTEM	12	PROD
MOP-MONTH OF PAYMENT REPORTS	MFR-MEDI-CAL FEDERAL REPORTS	35	PROD
MOS-MEDI-CAL MONTH OF SER RPT	MOP-MONTH OF PAYMENT REPORTS	57	PROD
MTR-METRS-PAID CLAIMS	MOS-MEDI-CAL MONTH OF SER RPT	150	PROD
COMPUTER PROGRAM INVENTORY	MTR-METRS-PAID CLAIMS	110	PROD
VEHIC EMISS TESTING STAT ANALY	COMPUTER PROGRAM INVENTORY	439	PROD
SAMPLE SELECTION EXPANSION	VEHIC EMISS TESTING STAT ANALY	3	PROD
STATISTICAL ENUMERATION	SAMPLE SELECTION EXPANSION	205	PROD
STATE STUDENT INCENTIVE GRANT	STATISTICAL ENUMERATION	17	PROD
TOTAL	STATE STUDENT INCENTIVE GRANT	23	PROD
** PROGRAM STATISTICAL REPORTING	** PROGRAM STATISTICAL REPORTING	4	PROD
PROJECT MANAGEMENT	PROJECT MANAGEMENT	1,918**	*
AIR RESOURCES BOARD	MANAGEMENT INFORMATION SYSTEM	12	PROD
ENERGY RESOURCES COMM	RES PROJECT MGMT SYSTEM PROD	89	NEW
GENERAL SERVICES	OSA PROJECT MGMT SYSTEM	13	PROD
PARKS AND RECREATION	PROGRAM MANAGEMENT	79	PROD
TRANSPORTATION	CASH BALANCE SYSTEM	0	PROD
FACTSHEET REPORTING	PROJ MNGMT CONTROL VIDEO INVE	1	PROD
REPORTING IMPROVEMENTS	PROJ MGMT CONTROL DIST PRO CHG	60	NEW
LOCAL ASSIST STATUS REPORTS	PROJ MGMT CONTROL DIST PRO CHG	273	PROD
PROJ HISTORY STORAGE AND ANALY	PROD AND MAIN OF PRO MGT CN SY	112	PROD
STATEWIDE PLANNING REPORTING	FACTSHEET REPORTING	0	NEW
SYSTEM MODS AND ENHANCEMENTS	REPORTING IMPROVEMENTS	0	NEW
BUDGET STATUS	LOCAL ASSIST STATUS REPORTS	18	NEW
HIGHWAY PROJECT PRIORITY	PROJ HISTORY STORAGE AND ANALY	0	NEW
	STATEWIDE PLANNING REPORTING	9	NEW
	SYSTEM MODS AND ENHANCEMENTS	65	NEW
	BUDGET STATUS	21	NEW
	HIGHWAY PROJECT PRIORITY	20	NEW

## GENERIC TYPE REPORT

		TOTAL COST (X 1000)	USE
PERFORMANCE REPORTING & EVALUATION SYSTEMS	CONTINUED		
PROJECT MANAGEMENT SYSTEM			
	PROGRAM BUDGET CONVERSION	17	NEW
	PROGRAM SUMMARIES	0	PROD
	DISTRICT OF MTS PILOT	0	PROD
	PROJECT CONTROL REPORTS	1	PROD
	ENVIRONMENTAL STATUS	0	PROD
	STATUS OF MINOR CONTRACTS	0	PROD
	PROJ DEVELOPMENT MAN YR SCHEDUL	0	PROD
	PRMT (PERT)	10	PROD
	SPECIAL REQUESTS	27	PROD
	PROJECT MANAGEMENT REPORTING	0	PROD
	TOTAL	827**	
WATER RESOURCES			
REHABILITATION			
MOTOR VEHICLES			
PROJECT MANAGEMENT SYSTEM			
PROJECT TIME REPORTING			
PUB FMPL RET SYS		201	PROD
PUBLIC UTILITIES COMM		10	PROD
WATER RESOURCES		37	PROD
DEPARTMENT OF HEALTH SERVICES		86	PROD
PROJECT TIME REPORTING		334**	
VITAL STATISTICS			
FORESTRY			
HEALTH PLG & DEV, OFF. OF		33	PROD
DEPARTMENT OF HEALTH SERVICES		9	PROD
	VITAL STATISTICS-BIRTHS	247	PROD
	VSC-VITAL STAT-FETAL DEATHS	2	PROD
	VSD-VITAL STATISTICS-DEATHS	114	PROD
	VSF-VITAL STAT DIVORCE FINAL	59	PROD
	VSM-VITAL STAT-MARRIAGES	67	PROD
	VSS-VITAL STAT SPECIAL REQUEST	54	PROD
	TOTAL	585**	
FINANCE			
GENERAL SERVICES			
PUBLIC UTILITIES COMM			
TELE DATA CENTER			
	MISCELLANEOUS SPECIAL ANALYSIS	3	PROD
	DGS PROC QUARTERLY TOWNGE RPT	2	PROD
	PUC POSITION STATUS	10	PROD
	SCHEDULING DAILY	0	PROD
	SCHEDULING MONTHLY	0	PROD
	OPSMOMAC	0	PROD
	OPSZSOXY	0	PROD
	OPSAALLH	0	PROD
	OPSHARM	0	PROD
	MAINT PRODUCTION MONIT	0	PROD
	CONTRACTORS SAFETY REPORTS	14	PROD
	MASS TRANSPORTATION PRODUCT.	10	PROD
	TRANSPORT. DEVELOP. • FIS. & STAT	11	PROD
	CONTRACTOR SAFETY REPORT	19	NEW
	TRANSPORTATION FUNDS SUMMARY	12	NEW

## GENERIC TYPE REPORT

	TOTAL COST (X 1000)	USE
<b>CONTINUED</b>		
PERFORMANCE REPORTING & EVALUATION SYSTEMS		
MISCELLANEOUS PERFORMANCE REPORTING & EVALUATION SYSTEMS		
CONTINUED		
ENGINEERING COST REPORTING	10	PROD
CONSTR MANAGEMENT SYSTEM	25	PROD
DESIGN MANAGEMENT SYSTEM	16	PROD
MANAGEMENT REPORTING SYSTEM	11	PROD
TRAFFIC MANAGEMENT SYSTEM	14	PROD
SKID RESISTANCE INVENTORY	9	PROD
SURVEYS MANAGEMENT SYSTEM	18	PROD
ENG INFERING COST REPORTING	16	NEW
CONSTRUCTION MANAGEMENT SYSTEM	9	NEW
CONSTRUCTION MANAGEMENT SYSTEM	32	NEW
DESIGN MANAGEMENT SYSTEM	7	NEW
MANAGEMENT REPORTING SYSTEM	6	NEW
TRAFFIC MANAGEMENT SYSTEM	8	NEW
HIGHWAY SKID RESISTANCE INVENTOR	32	NEW
SURVEYS MANAGEMENT SYSTEM	33	NEW
TOLL COLLECTION AUDIT & HISTORY	32	NEW
TOLL REGISTRATION AUDIT & COLL	32	PROD
STATEWIDE WASTEWATER INFO MGMT	515	PROD
MISCELLANEOUS REQUESTS	8	NEW
VENDOR EVALUATION SYSTEM	5	PROD
AIH-AIR LAB INFORMATION SYS	0	NEW
CMC-CMC OPERATOR ANALYSIS	9	PROD
CMR CONGENITAL MALFORMATI RPTS	6	NEW
DHC -ADULT DAY HEALTH CARE	143	NEW
MCH-MATERNAL AND CHILD HEALTH	21	PROD
TTV-TITLE V-MIS MCH	33	NEW
MISCELLANEOUS PROCESSING	6	NEW
ENVIRONMENT HEALTH & SAFETY	3	PROD
TOTAL	1,140**	
** MISCELLANEOUS PERFORMANCE REPORTING & EVALUATION SYSTEMS		
TOTAL	9,338***	

\*\*\* PERFORMANCE REPORTING &amp; EVALUATION SYSTEMS

## GENERIC TYPE REPORT

		TOTAL COST (X 1000)	USE
REGULATORY SYSTEMS	DUPPLICATE BENEFIT ELIGIBILITY		
SOCIAL SERVICES	DEPARTMENT OF HEALTH SERVICES		
EQUALIZATION	DUPPLICATE BENEFIT ELIGIBILITY		
**	HEALTH BENEFIT ELIGIBILITY DEPARTMENT OF HEALTH SERVICES		
	AHS ALTERNATIVE HEALTH (PHP) BUY-MEDICARE INSURANCE BUY-IN	70	PROD
	CDS-CDS CAPITATION SYSTEM	346	PROD
	CEL-CID ELIGIBLES SUMMARY	33	PROD
	CTD-CENTRAL ISSUANCE AND DELIVY	48	PROD
	EHF-ELIGIBILITY HISTORY FILE	6,111	PROD
	FBD-PHRED PROJECT SUPPORT	65	PROD
	MCF-MEDICARE CODING FILE	5	NEW
	MES-LOS ANGELES MI/GR MERGER	39	PROD
	PCP-PAPER-COUNTY PROCESS	40	NEW
	PIP-PILOT PROJ REPORTING SYSTEM	21	PROD
	QLB-QUARTERLY LIABILITY	9	PROD
	WIC-WTC ELIGIBILITY SYSTEM	177	PROD
	XVI--TITLE XVI MEDI-CAL ELIGIB	0	NEW
	TOTAL	1,32	PROD
		7,096**	
**	INVESTIGATIVE SUPPORT		
	PUBLIC UTILITIES COMM EMPLOYMENT DEV	11	PROD
	SOCIAL SERVICES	11	PROD
	DEPARTMENT OF HEALTH SERVICES	11	PROD
	CONSUMER AFFAIRS	19	PROD
	EQUALIZATION	55	PROD
**	INVESTIGATIVE SUPPORT		
	REGISTRATION/LICENSING - PERSONNEL REAL ESTATE	65	PROD
	SECRETARY OF STATE	72	PROD
	DEPARTMENT OF HEALTH SERVICES	157	PROD
		8	PROD
		3	PROD
		17	PROD
		6	PROD
		16	PROD
		5	PROD

GENERIC TYPE REPORT

REGULATORY SYSTEMS REGISTRATION/LICENSING - PERSONNEL

CONTINUED

## GENERIC TYPE REPORT

REGULATORY SYSTEMS  
REGULATORY INSPECTION REPORTING

CONTINUED

	TOTAL (X 1000)	CNST USF
** REGULATORY INSPECTION REPORTING	431**	
MISCELLANEOUS REGULATORY SYSTEM		
HIGHWAY PATROL		
INDUSTRIAL RELATIONS		
INSURANCE		
PUBLIC UTILITIES COMM		
GAS UTIL-ACCIDENT STATISTICS	11	PROD
TARIFF COMPLIANCE FILE "MURTS"	11	PROD
TRAFFIC FLOW (CURRENT)	24	PROD
LABOR COSTS	11	PROD
OFFICE OF EQUIP PRODUCTION SYS	11	PROD
LAB-LABORATORY FACILITY SYSTEM	6	PROD
WEV-SMALL WATER SYSTEMS EVALUA	25	PROD
FAD-FOOD & DRUG INSPECTI REPTS	15	PROD
TOTAL	9	PROD
** TRANSPORTATION DEPARTMENT OF HEALTH SERVICES	431**	
CHP PRESS CARD INVENTORY	2	PROD
LABOR STANDARDS ENFORCEMENTS MIS	53	NEW
OSHA SURVEY	184	PROD
MICROFILM LICENSING SYSTEM	461	PROD
REV MICROFILM LICENSING SYSTEM	101	NEW
5-YR FINANCIAL SUMMARIES	11	PROD
TELEPHONE CO. FILES	22	PROD
HHG UNDERESTIMATES FILE	11	PROD
PLANT DEPRECIATION	11	PROD
DISTANCE TABLE	11	PROD
RAILROAD SEPARATION PRIORITIES	10	PROD
SUM OF EARNINGS (GAS & ELEC)	10	PROD
SUM OF EARNINGS (WATER	10	PROD
FUEL AVAILABILITY REPORTS	11	PROD
RATE SPREAD (ELECTRIC)	10	PROD
AIR PASSENGER & SEAT STATS	10	PROD
INTER-TERMINAL TRAFFIC FLOW	11	PROD
FUEL AND OIL COSTS	24	PROD
REVENUE EQUIPMENT HISTORY	11	PROD
GREYHOUND LINES - WEST	11	PROD
ICC FILE	11	PROD
MIS-LOAN AND FINANCE	129	PROD
COMPUTER FILE ACCESS PROGRAMS	85	PROD
MISSCELLANEOUS PROGRAMS	70	PROD
MLS AUGMENTATION	6	NEW
MAINT HISTORICAL WORKPLAN	0	PROD
FIRE EXTINGUISHER	0	PROD
MONETARY DETERMINATIONS (MON)	1,459	PROD
UNEMPLOY COMP /ED EMP & EXMILI	20	PROD
WAGE RECORD PROCESSING	4,628	PROD
QUALITY CONTROL	97	PROD
REGULATIONS INFORMATION SYSTEM	0	NEW
BCP-BIRTH CERTIFICATE RELIARIL	3	NEW
BMB-BENE EXPLANATION SYSTEM	30	PROD
EMS-EMERGENCY MEDICAL SERVICES	2	PROD
SRS-STERILIZATION RPTG SYSTEM	15	NEW
PROPERTY RECORDS	1	PROD
EQUALIZATION	1	
MISCELLANEOUS REGULATORY SYSTEM	7,541**	

## GENERIC TYPE REPORT

		TOTAL COST (X 1000)	USE
<b>REGULATORY SYSTEMS</b>			
REGISTRATION/LICENSING - VEHICLES, VESSELS			
MOTOR VEHICLES			
VEHICLE REGISTRATION RENEWAL	0	PROD	
VEHICLE MASTER FILE UPDATE	0	PROD	
VEHICLE CERTIFICATE ISSUANCE	0	PROD	
REWRITE OF VEHICLE PURGE	0	NEW	
TEMP. NON-RESIDENT COM. PERMITS	0	NEW	
VESSEL PROCESSING	0	PROD	
ELP RETENTION/CANCEL NOTICE	0	PROD	
ELP RESERVATION/PLATE ORDER	0	PROD	
OFF-HGwy VEHICLE PROCESSING	0	PROD	
<b>TOTAL</b>	0***		
** REGISTRATION/LICENSING - VEHICLES, VESSELS			
FOOD STAMP ELIGIBILITY & PROCESSING			
SOCIAL SERVICES			
FOOD STAMP ELIGIBILITY & PROCESSING	130	NEW	
<b>TOTAL</b>	130***		
MISCELLANEOUS BENEFITS PROCESSING			
SOCIAL SERVICES			
MISCELLANEOUS BENEFITS PROCESSING	10	PROD	
<b>TOTAL</b>	10***		
*** REGULATORY SYSTEMS			
		18,652***	

CONTINUED

## GENERIC TYPES REPORT

		TOTAL COST (X 1000)	USE
STATISTICAL/SCIENTIFIC SYSTEMS			
COMPUTER MODEL	STATEWIDE TRAVEL FORECASTS	40	PROD
AIR RESOURCES BOARD	CAL-TECH AIR QUALITY MODELING	150	NEW
	EPA'S UNAMAP MODELS	23	NEW
	SMOG AIR QUALITY MODELING SYST	10	PROD
	DIRECT TRAVEL IMPACT MODEL	10	PROD
	MOTOR VEHICLE EMISSIONS MODEL	29	PROD
	ACP SCREENING HANDBOOK	14	PROD
	METRO-APEX	49	NEW
ENERGY RESOURCES COMM	CAL CON PUBLICATIONS	7	PROD
	RESIDENTIAL STANDARDS	8	PROD
	NO1 AFC PROCESSING	35	PROD
	LOCATIONAL PLANNING	17	NEW
	DEMAND FORECASTING	3	NEW
	SUPPLY ASSESSMENT	113	PROD
	DEMAND CONFORMANCE	46	PROD
	POLLUTION MODELING	40	PROD
	STATISTICAL EDUCATION FINANCIN	16	PROD
	WATER CONSUMPTION	24	PROD
FINANCE	EDP PRNC. DISTRICT PLAN. PROJ.	11	PROD
PUBLIC UTILITIES COMM	REIMBURSED LOCAL ASSISTANCE	566	PROD
TRANSPORTATION	TRANSPORTATION SYSTEM MANAGEMENT	20	PROD
	MODELING	8	NEW
	PARS/ANA SYSTEM	55	PROD
	TOTAL	51	PROD
		4	PROD
		1,439**	
WATER RESOURCES CONTROL BOARD			
STUDENT AID COMM			
COMPUTER MODEL			
** COMPUTER MODEL			
ENGINEERING/SCIENTIFIC	OIL AND GAS PRODUCTION ANAL.	295	NEW
CONSERVATION	DIRECT THERMAL SYSTEMS	7	NEW
ENERGY RESOURCES COMM	BRIDGE ENGINEERING SERVICES	405	PROD
TRANSPORTATION	STRUCTURE'S FRAME SYST. CONVER.	15	PROD
	PROJECT DEVLP. HIWAY DESIGN AP	267	PROD
	PROJECT DEVLP.-TRAINING USERS	44	PROD
	(AGENT) DATABASE CONVERSION	48	NEW
	STRUCTURES SPEC. PROBLEM ASST	29	NEW
	(HIDES) DATARASE CONVERSATION	19	NEW
	COST ESTIMATE PRINT	12	NEW
	TERRAIN/PLANIOMETRY DIGITAL INT	40	NEW
	DESIGN SPFC. PROBLEMS & ASSIST	12	NEW
	(TACO) HORIZONTAL ALIGNMENT	13	NEW
	GEOMETRIC SPECIAL PROBLEMS	9	NEW
	TRANSLAR APPLIC. MAINT. SUPPT.	48	PROD
	POLLUTION MODEL SUPP. TRANSLAR	36	PROD
	TRANSLAB-SPEC. PROB. & ASSIST.	6	PROD
	AC BLANKET	0	PROD
	ENGINEERING DESIGN	0	NEW
	CARBON MONOXIDE SAMPLE SURVEY	0	PROD
	FINITE ELEMENT ANALYSIS	0	PROD
WATER RESOURCES			

## GENERIC TYPE REPORT

		TOTAL COST (X 1000)	USE
CONTINUED			
	STATISTICAL/SCIENTIFIC SYSTEMS		
**	ENGINEERING/SCIENTIFIC		
	ENGINEERING COST ESTIMATE		
	ENERGY RESOURCES COMM TRANSPORTATION		
**	ENGINEERING COST ESTIMATE		
	GEOLOGICAL CONSERVATION		
	EQUALIZATION		
**	GEOLOGICAL		
	GEOMETRONICS TRANSPORTATION		
**	GEOMETRONICS		
	HEALTH RESEARCH & ANALYSIS		
	HEALTH PLG & DEV. OFF. DEPARTMENT OF HEALTH SERVICES		
**	HEALTH RESEARCH & ANALYSIS		
	MANAGEMENT SCIENCE		
	EDUCATION		
	WATER RESOURCES		
	SOCIAL SERVICES		
**	MANAGEMENT SCIENCE		
CONTINUED			
	FINITE ELEMENT ANALYSIS	15	PROD
	GROUND WATER LEVEL MEASUREMENT	70	PROD
	SURFACE WATER MEASUREMENT	100	PROD
	WATER DATA INFO SYSTEM (WDIS)	119	PROD
	CLIMATE INFORMATION SYSTEM	10	PROD
	LAND CLASS AND USE	9	PROD
	TOTAL	1,653**	
	SOLAR ECONOMICS	8	NEW
	BRIDGE COST ANALYSIS	8	PROD
	ENGINEERING ESTIMATES (MAINT)	102	PROD
	ENGINEERING EST. DEVELOPMENT	84	NEW
	PRELIMINARY EST. OF COST REVIEW	14	NEW
	TOTAL	216**	
	GRAVITY-MAGNETIC ANALYSIS	1	PROD
	STRONG MOTION INSTR. PROGRAM	46	PROD
	EARTHQUAKE CATALOG	6	PROD
	EARTHQUAKE LOCATION ANALYSIS	4	PROD
	PETROLEUM	10	PROD
	TOTAL	67**	
	GEOMETRONICS APPLICATION SUPP.	46	PROD
	AUTOMATED PLOT OF PHOTO DATA	14	NEW
	AIR PHOTO REPORT	0	PROD
	TOTAL	60**	
	INVENTORY OF LIC HLTH FACILITI	1	PROD
	ABT-ALTERNATIVE BIRTHING	7	NEW
	ESL-ENVIRONMENTAL STUDIES LAB	4	PROD
	GDC-GENETIC DISEASE CONTROL	2	PROD
	PMS-PREGNANCY MONITORING	150	NEW
	VRL-VIRAL AND RICKETTSIAL LAB	53	PROD
	TOTAL	217**	
	CAL SCH FINANCE EQUAL STIMU SYS	78	PROD
	CA AQUEDUCT OPTIMIZING MODEL-I	0	PROD
	CA AQUEDUCT OPTIMIZING MODEL-II	87	NEW
	SIMULATION MODELS	167	PROD
	TOTAL	341**	

## GENERIC TYPE REPORT

## STATISTICAL/SCIENTIFIC SYSTEMS

CONTINUED

		TOTAL COST (x 1000)	USE
PLOTTING/DRAFTING	AUTOMATED DESIGN PLANS	20	NEW
TRANSPORTATION	ACCIDENT INDEX REPORT WRITTEN	0	PROD
WATER RESOURCES	PHOTOGRAFTRIC SUPPORT SYSTEM	5	PROD
** PLOTTING/DRAFTING	TOTAL	25**	
STATISTICAL ANALYSIS PACKAGES	WEEKDAY VEHICLE MILES	0	PROD
TRANSPORTATION	TOTAL	0**	
** STATISTICAL ANALYSIS PACKAGES			
MISCELLANEOUS STATISTICAL/SCIENTIFIC SYSTEM	AGRICULTURAL BURN DATA SYSTEM	15	PROD
AIR RESOURCES BOARD	METEOROLOGY DATA SYSTEM	23	PROD
ENERGY RESOURCES COMM	TECHNICAL ASSISTANCE	53	NEW
ENERGY RESOURCES COMM	APPLIANCE EFFICIENCY STANDARDS	14	PROD
LOAD MANAGEMENT	LOAD MANAGEMENT	62	PROD
QUARTERLY FUEL AND ENERGY RPTG	QUARTERLY FUEL AND ENERGY RPTG	19	PROD
BASIC PROGRAMS USING TENET	BASIC PROGRAMS USING TENET	2	PROD
FIRE OPER CHARACTER USING SIMU	FIRE OPER CHARACTER USING SIMU	16	PROD
UNION CONTRACT PROCESSING	UNION CONTRACT PROCESSING	21	PROD
SALARY SURVEY	SALARY SURVEY	0	NEW
BENEFITS SURVEY	BENEFITS SURVEY	40	PROD
REVENUE BY MRT	REVENUE BY MRT	5	PROD
DRE EXAM ITEM ANALYSIS	DRE EXAM ITEM ANALYSIS	22	PROD
INDIRECT TECHNICAL SUPPORT	INDIRECT TECHNICAL SUPPORT	1	PROD
AIR TRANSPORTATION PLANNING	AIR TRANSPORTATION PLANNING	100	NEW
INFRAACTIVE TRANS LAND USE MOD	INFRAACTIVE TRANS LAND USE MOD	41	NEW
WEST COAST CORRIDOR STUDY ISS	WEST COAST CORRIDOR STUDY ISS	4	NEW
COMPARABLE MARKET DATA	COMPARABLE MARKET DATA	0	PROD
MISCELLANEOUS PRODUCTION	MISCELLANEOUS PRODUCTION	262	PROD
MISCELLANEOUS DEVELOP & MAINT.	MISCELLANEOUS DEVELOP & MAINT.	54	NEW
MISCELLANEOUS PERUNS	MISCELLANEOUS PERUNS	48	PROD
APPEALS STATISTICS	APPEALS STATISTICS	541	PROD
MIGRANT FAMILY STATISTICS	MIGRANT FAMILY STATISTICS	2	PROD
D T TERMINATED SPELLS STATS	D T TERMINATED SPELLS STATS	0	PROD
DETERMINATION OF ELIGIBILITY	DETERMINATION OF ELIGIBILITY	20	PROD
U T CLAIMANT CHARACTERISTICS	U T CLAIMANT CHARACTERISTICS	30	PROD
CURRENT EMPLOYMENT ESTIMATES	CURRENT EMPLOYMENT ESTIMATES	22	PROD
OCCUPATIONAL EMPLOYMENT STATS	OCCUPATIONAL EMPLOYMENT STATS	34	PROD
LOCAL OFFICE STAT	LOCAL OFFICE STAT	26	PROD
CONTINUOUS WAGE & BENEFIT HIST	CONTINUOUS WAGE & BENEFIT HIST	7	PROD
ADVERSE SELECTION	ADVERSE SELECTION	126	NEW
WAGE RECORD STATISTICS	WAGE RECORD STATISTICS	41	PROD
MINORITY RACE STUDY	MINORITY RACE STUDY	39	PROD
		42	

## GENERIC TYPE REPORT

	TOTAL (X 1000)	COST	USF
<b>STATISTICAL/SCIENTIFIC SYSTEMS</b>			
MISCELLANEOUS STATISTICAL/SCIENTIFIC SYSTEM			
CONTINUED			
REHABILITATION			
DEPARTMENT OF HEALTH SERVICES			
DEPARTMENT OF MENTAL HEALTH			
DEPARTMENT OF DEVELOPMENTAL SERVICES			
CONSUMER AFFAIRS			
FOOD AND AGRICULTURE			
** MISCELLANEOUS STATISTICAL/SCIENTIFIC SYSTEM			
ADVERSE SELECTION STAT	3	PROD	
NEW CLAIMS STAT	0	PROD	
STATISTICAL ANALYSIS	8	PROD	
CLS-CHEMISTRY LAB SERVICES	1	PROD	
VEC-VECTOR CONTROL	2	PROD	
STATE HOSPITAL STATISTICS	41	PROD	
STATE HOSP SPECIAL REQUESTS	4	PROD	
STATE HOSP SPECI AL REQUESTS	10	NEW	
STATE HOSPITAL RPTS & REQUESTS	2	PROD	
VEHIC EMISS TESTING STAT ANALY	5	NEW	
STATS AND ACCOUNTING OPERATION	8	PROD	
PESTICIDE INFORMATION	191	PROD	
FERTILIZER & MINERAL	33	PROD	
MILK STABILIZATION	18	PROD	
AGRICULTURAL STATISTICS	0	PROD	
SPECIAL GRAPE ACREAGE	2	PROD	
<b>TOTAL</b>	<b>2,079**</b>		
*** STATISTICAL/SCIENTIFIC SYSTEMS			
<b>TOTAL</b>	<b>6,097***</b>		

GENERIC TYPE REPORT

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## GENERIC TYPE REPORT

		TOTAL COST (X 1000)	USE
OPERATIONAL ASSISTANCE SYSTEMS	CONTINUED		
COMPUTER UTILITY	TAPE CONVERSIONS	1	PROD
WATER RESOURCES	AMIS BACK-UP RECOVERY SYSTEM	0	PROD
** COMPUTER UTILITY	TOTAL	158**	
DATA BASE INQUIRY			
AIR RESOURCES BOARD	ARFA SOURCES EMISSIONS SYSTEM	34	NEW
GENERAL SERVICES	EMISSION INVENTORY SYSTEM	87	NEW
PUB EMPL RET SYS	CALIF AEROMETRIC DATA MGMT SYS	99	PROD
TRANSPORTATION	CALIF AIR QUALITY DATA SYSTEM	85	PROD
EQUALIZATION	STATE POLICE-CRIME & INC. RPTG	17	PROD
MOTOR VEHICLES	COMMON INQUIRY SYSTEM	148	PROD
DATA REDUCTION/ENTRY	TRAFFIC ACCIDENT REPORT. SYST.	209	PROD
TRANSPORTATION	TRAFFIC ACCIDENT REPORT SYST.	45	PROD
DATA PREPARATION	POLLUTION MODEL SYST. MAINT.	24	PROD
TRANSPORTATION	DATA MANAGEMENT TPSIS	19	PROD
DATA COLLECTION	BTCIS	707	PROD
TRANSPORTATION	REWRITE VEH NONURGENT INQUIRY	0	NEW
TRANSPORTATION	URGENT INQUIRY PROCESS	0	PROD
TRANSPORTATION	DRIVERS LIC NONURGENT INQUIRY	0	PROD
** DATA BASE INQUIRY	TOTAL	1,474**	
DATA REDUCTION/ENTRY	TRAFFIC COUNT TABULATION	0	PROD
TRANSPORTATION	DATA COLLECTION SYSTEM	0	PROD
MOTOR VEHICLES	TOTAL	0**	
** DATA REDUCTION/ENTRY	MODELING STUDIES DATA STAGING	70	NEW
DATA PREPARATION	MT/ST TAPE PROCESSING	0	PROD
TRANSPORTATION	DATA MANAGEMENT STATEWIDE SURV	20	PROD
TRANSPORTATION	TOTAL	90**	
INVENTORY CONTROL AND DISTRIBUTION			
EDUCATION	EDUC AGENCY FOR SURPLUS PROPER	14	PROD
TEALE DATA CENTER	STATE LIBRARY SERVICES	14	PROD
TRANSPORTATION	EQUIPMENT DELETE LIST	1	PROD
TRANSPORTATION	EQUIPMENT INVENTORY LIST	2	PROD
TRANSPORTATION	NON-EXPENDABLE PROPERTY TNV.	15	PROD
TRANSPORTATION	MANUALS INVENTORY SYSTEM	0	
TRANSPORTATION	MISCELLANEOUS LABELS	2	
EMPLOYMENT DEV	SERV & SUPPLY WAREHOUSE LABELS	0	PROD
DEPARTMENT OF MENTAL HEALTH	EXCESS LANDS INVENTORY	0	PROD
DEPARTMENT OF MENTAL HEALTH	DEPARTMENTAL INVENTORY CONTROL	7	PROD
DEPARTMENT OF MENTAL HEALTH	HEALTH INVENTORY SYSTEM	5	NEW
** INVENTORY CONTROL AND DISTRIBUTION	TOTAL	60**	

## GENERIC TYPE REPORT

## OPERATIONAL ASSISTANCE SYSTEMS

CONTINUED

## INVENTORY CONTROL/MATERIAL MANAGEMENT

	TOTAL COST (x 1000)	USE
BUSINESS SERVICES	4	PROD
DATA PROCESSING MANAGEMENT	28	PROD
MATERIAL MANAGEMENT SYSTEM	13	PROD
OSP STOCK STATUS SYSTEM	72	PROD
SWIDE LOGISTICS AND MATERIAL	550	PROD
STORES & EQUIPMENT INVENTORY	26	PROD
PROPERTY RECORDS	1	PROD
STOCKROOM INVENTORY	11	PROD
MATERIAL MANAGEMENT SYSTEM	1.55	PROD
MATERIAL MANAGEMENT SYSTEM	89	NEW
OFF OF EQUIP PRODUCTION SYSTEMS	89	PROD
OFFICE OF EQUIP PRODUCTION SYS	3	PROD
STORES INVENTORY SYSTEM ENHANCMT	30	NEW
EQUIP RADIO COMMUNICATIONS MGT	19	NEW
DEPRECIALE EQUIP INVENTORY	0	PROD
RAP INVENTORY CONTROL SYSTEM	0	PROD
WTC-MANAGEMENT/INVENTORY CONT.	18	PROD
PROPERTY INVENTORY	39	PROD
HIS-HEALTH INVENTORY SYSTEM	15	NEW
FOOD SERVICES MANAGEMENT	17	PROD
EDP STOCK INVENTORY FORMAT	0	NEW
	1,179**	

KEYWORD INFORMATION RETRIEVAL/UPDATING  
TRANSPORTATION  
\*\* KEYWORD INFORMATION RETRIEVAL/UPDATING

	TOTAL COST (x 1000)	USE
LEGISLATURE BILL STATUS REPORT	15	PROD
	15**	
MASS MAILING	11	PROD
DGS PROCUREMENT OUTDOOR CALIF	5	PROD
DGS PROC ADMIN TITLE SURSCRIPT	22	PROD
OSP LEGISLATIVE BILL ROOM	6	PROD
CHP MONTHLY MAGAZINE LABELING	1	PROD
COMMUNICATIONS UNIT PROCESSING	9	PROD
GENFRAL MAIL PROGRAM	16	PROD
LEGISLATIVE MAIL PROGRAM	57	PROD
MAILING LABELS	0	PROD
MASS TRANSPORTATION	14	NEW
PUBLIC INFORMATION SYSTEM	7	PROD
ADDRESS LABELS	7	PROD
MAILING LABELS	0	PROD
RECORD OF INSTRUCTION MANUALS	0	PROD
R/W SALES PROSPKT RD MAIL LIST	0	PROD
CITIZEN PARTICIPATION MAILNG	0	PROD
NEWSLETTER LIST	0	PROD

## GENERIC TYPE REPORT

		TOTAL COST (X 1000)	USE
<b>CONTINUED</b>			
OPERATIONAL ASSISTANCE SYSTEMS	MAILING LISTS/LABELS		
WATER RESOURCES	MANUAL UPDATES DISTRIBUTION	1	PROD
ALCOHOL AND DRUG ABUSE	ADDRESS LABELS	0	PROD
EMPLOYMENT DEV	ADDRESS LABEL SYSTEM	1	NEW
DEPARTMENT OF HEALTH SERVICES	MATING LABELS	4	PROD
DEPARTMENT OF MENTAL HEALTH	ES PROMOTIONAL MAIL INSERTS	42	PROJ
DEPARTMENT OF DEVELOPMENTAL SERVICES	ADR-ADDRESS (MAILING) LABELS	15	PROD
** MAILING LISTS/LABELS	ADDRESS LABELS	1	PROD
MANUFACTURING PRODUCTION SCHEDULING & CONTROL - JOB TRANSPORTATION	DEVELOP DISABILITIES SERVICES	3	PROD
TRANSPORTATION	REGIONAL CENTER PROJECTIONS	2	PROD
** MANUFACTURING PRODUCTION SCHEDULING & CONTROL - CONTINUOUS	<b>TOTAL</b>	<b>224***</b>	
MANUFACTURING PRODUCTION SCHEDULING & CONTROL - CONTINUOUS	SHOP EQUIP SHOP OPERATIONS ANALYSIS	28	NEW
TRANSPORTATION	PENDING CONSTRUCTION	0	PROD
DEPARTMENT OF HEALTH SERVICES	PROJECT CONTROL BOARDS	1	PROD
** MANUFACTURING PRODUCTION SCHEDULING & CONTROL - CONTINUOUS	<b>TOTAL</b>	<b>29***</b>	
TRANSPORTATION	OFF QF EQU SEV EQU PRO CONT SY	19	NEW
DEPARTMENT OF HEALTH SERVICES	MBL-MPL SPECIMEN CONTROL SYSTF	52	NEW
** MANUFACTURING PRODUCTION SCHEDULING & CONTROL - CONTINUOUS	<b>TOTAL</b>	<b>71***</b>	
615 TRANSPORTATION	REPRODUCTION BILLING	0	PROD
** 613 TRANSPORTATION	<b>TOTAL</b>	<b>0***</b>	
ORDER PROCESSING	TEXTBOOK DISTRIBUTION	175	PROD
EDUCATION	EQUIPMENT FUTURE LIST	1	PROD
TELE DATA CENTER	CONSTRUCT. UNIT COST & DATA	10	PROD
TRANSPORTATION	TRAFFIC SIGN LOG	0	PROD
SOCIAL SERVICES	STATUS OF CONSTRUCTION PROJECT	0	PROD
RENT SCHEDULE	RENT SCHEDULE	7	PROD
ADPTIONS RESOURCE REFERRAL CTR	ADPTIONS RESOURCE REFERRAL CTR	11	PROD
STAFF HOSPITAL RPTS & REQUESTS	STAFF HOSPITAL RPTS & REQUESTS	10	NEW
** ORDER PROCESSING	<b>TOTAL</b>	<b>214***</b>	
OTHER OPERATIONAL ASSISTANCE SYSTEMS	GRADE CROSSINGS (PROTECTION)	11	PROD
PUBLIC UTILITIES COMM	GRADE CROSSINGS (MAINT)	11	PROD
TELE DATA CENTER	DAILY DISK BACKUPS	0	PROD
	WEEKLY DISK BACKUPS	0	PROD
	BTWEEKLY DISKBACKUPS	0	PROD
	MONTHLY DISKBACKUPS	0	PROD

## GENERIC TYPE REPORT

		TOTAL COST (X 1000)	USE
OPERATIONAL ASSISTANCE SYSTEMS	CONTINUED		
OTHER OPERATIONAL ASSISTANCE SYSTEMS	CONTINUED		
TRANSPORTATION	BRIDGE INVENTORY SYSTEMS	71	PROD
AERONAUTICS-AIRPORT INVENTORY	AERONAUTICS MAILING LABELS	8	PROD
RIGHT OF WAY CONTROL SYSTEM	RIGHT OF WAY MISC. PRODUCTION	2	PROD
RIGHT OF WAY MISCELLANEOUS	AIRPORT INVENTORY SYS. DEVELOP.	5	PROD
CONVERT OFF EQUI REP TO COM	CONVERT OFF EQUI REP TO COM	15	PROD
ENGINEERING DATA SET SYSTEM	ENGINEERING DATA SET SYSTEM	16	PROD
RIGHT OF WAY EA LOG	RIGHT OF WAY EA LOG	0	NEW
NON RENTAL EQUIPMENT	NON RENTAL EQUIPMENT	0	PROD
R/W TENANT LISTING	R/W TENANT LISTING	0	PROD
PARCEL PLANNING SYSTEM	PARCEL PLANNING SYSTEM	0	PROD
OTHER SYSTEMS	OTHER SYSTEMS	249	PROD
MEASUREMENT OF COMPUTER WORKLD	MEASUREMENT OF COMPUTER WORKLD	0	PROD
TOTAL	308**		
PROPERTY MAINTENANCE	LAND AND BUILDINGS INVENTORY	4	PROD
TRANSPORTATION	LAND AND BUILD SPECIAL REPORT	8	PROD
REHABILITATION	LAND AND BUILDING ENHANCEMENTS	21	NEW
STRUCTURE MAINTENANCE	LAND AND BUILD MAINT STAT MODL	66	NEW
STRUCTURE MAINTENANCE	DISTRICT VTAC	0	PROD
STRUCTURE MAINTENANCE	BUSINESS ENTERPRISE PROGRAM	11	PROD
STRUCTURE MAINTENANCE	BUSINESS ENTERPRISE PROGRAM	18	PROD
STRUCTURE MAINTENANCE	PROPERTY RECORDS	3	PROD
TOTAL	131**		
STRUCTURE MAINTENANCE	OFFICE ENGINEER, ATMS PROD.	0	PROD
TRANSPORTATION	BRIDGE ENG. PROD. REPORT SYST.	35	PROD
STRUCTURE MAINTENANCE	STRUCTURES MAINTENANCE SYSTEM	53	NFW
TOTAL	97**		
TEXT/WORD PROCESSING	OSP TEXT MANAGEMENT SYSTEM	433	PROD
GENERAL SERVICES	TDC PROCESSORS MANUAL	0	PROD
TELE. DATA CENTER	MAINTAIN A COUNT OF TRUCKS	8	PROD
TRANSPORTATION	MAINT. COUNT OF TRUCKS	6	PROD
DEPARTMENT OF HEALTH SERVICES	ATM-AUTOMATED TEXT MANAGEMENT	228	NEW
CONSUMER AFFAIRS	WORD PROCESSING	25	PROD
TOTAL	700**		
TEXT/WORD PROCESSING	DUMP TRUCK NETWORK	11	PROD
PUBLIC UTILITIES COMM	MINT. FED. TRAFFIC SIMULATION	0	PROD

## GENERIC TYPE REPORT

		TOTAL COST (Y 1000)	USE
<b>OPERATIONAL ASSISTANCE SYSTEMS</b>			
TRAFFIC PROJECTION	CONTINUED		
Maint. U.C. BERKELEY T.S.M.		9	PROD
TRAFFIC VOLUMES SYSTEM		176	PROD
FED. TRAFFIC SIMULATION MODELS		6	PROD
U.C. BERKELEY TRAFFIC STIMULAT.		5	PROD
TRAFFIC VOLUMES SYSTEMS		51	PROD
EQUIPMENT CHC REPORT		2	PROD
TRAFFIC PERFORMANCE		0	PROD
	<b>TOTAL</b>	<b>269**</b>	
<b>TRAFFIC PROJECTION</b>			
VEHICLE FLEET MANAGEMENT			
GENERAL SERVICES		86	PROD
HIGHWAY PATROL		45	PROD
TRANSPORTATION		198	PROD
OFFICE OF EQUIP PRODUCTION SYS		42	PROD
OPERATING EXPENSE MONITORING		19	NEW
OFF OF EQUIP FLEET MGMT ENHANM		20	NEW
REVISE FLEET MANAGEMENT SYSTEM		0	NEW
EQUIP WORK ORDER ALTM BY VEH		0	NEW
COMPUTATION OF FLEET CHARG RAT		0	NEW
EMPLOYEE PARKING		0	PROD
AUTOMOBILE MGMT SYSTEM		0	PROD
VEH ASSIGNMENT & STORAGE REPOR		0	PROD
MTC EQUIP & RADIO INVENTORY		0	PROD
	<b>TOTAL</b>	<b>410**</b>	
<b>VEHICLE FLEET MANAGEMENT</b>			
VEHICLE FUEL CONSUMPTION			
TRANSPORTATION		0	PROD
VEHICLE FUEL CONSUMPTION		0**	
VEHICLE MAINTENANCE SYSTEM			
PARKS AND RECREATION		9	NEW
TRANSPORTATION		0	PROD
VEHICLE MAINTENANCE SYSTEM		0**	
	<b>TOTAL</b>	<b>7.018**</b>	
<b>*** OPERATIONAL ASSISTANCE SYSTEMS</b>			

## GENERIC TYPE REPORT

		TOTAL COST (X 1000)	USE
BILLING SYSTEMS			
FILLING SYSTEM - PERSON	COMMUNICATIONS DIV WIRE SECTION	262	PROD
GENERAL SERVICES	BILLING SYSTEM	0	PROD
TELE DATA CENTER	REPRODUCTION SUPPLY INVENTORY	0	PROD
TRANSPORTATION	REPRODUCTION SUMMARY	3	PROD
EMPLOYMENT DEV	EMPLOYER BILLINGS	120	NEW
DEPARTMENT OF DEVELOPMENTAL SERVICES	STATE HOSPITAL COST RPTG SYSTEM	325	PROD
	MR PARENTAL CONTRIBUTION	6	NEW
	LPS BILLING	10	PROD
	LPS BILLING	1	PROD
	STATE HOSP COST RPTG SYSTEM	112	PROD
	STATE HOSP COST RPTG SYSTEM	82	NEW
	CRS MEDICARE REPORT	14	PROD
	MR PARENTAL CONTRIBUTION	7	PROD
**	FILLING SYSTEM - PERSON	TOTAL	942**
EDP BILLING			
EDUCATION	EDUCATIONAL DATA MGMT SYSTEMS	5	PROD
GENERAL SERVICES	DGS-DPSO INTERNAL ACCTG SYSTEM	35	PROD
TELE DATA CENTER	DGS-DPSO JOB COST LOG	7	PROD
INDUSTRIAL RELATIONS	LEASED SPACE INVOICES	1	PROD
TELE DATA CENTER	DATA PROCESSNG EQPT UTILTN RPT	38	PROD
TRANSPORTATION	BILLING SYSTEM	0	PROD
	PLOTTER BILLING	0	PROD
	BURST-DECIMATE REPORT	0	PROD
	PROCESSING CHARGES	0	PROD
	MACHINE ACCOUNTING (MAC)	111	PROD
	(MAC) FEASIBILITY STUDY	9	NEW
	UNIT MANAGEMENT PRORATION	6	PROD
	(MAC) BATCH BILLING	7	PROD
	REWRITE (MAC) CICS SUBSYSTEM	7	PROD
	TELEPROCESSING & KEY PUNCH LOG	0	PROD
	EDP BILLING SYSTEM	0	PROD
	KEYPUNCH EXPENDITURE	0	PROD
	CASHIERING	3	PROD
	EDP EQUIPMENT BILLING	0	PROD
**	EDP BILLING	TOTAL	229**
RADIO MAINTENANCE			
GENERAL SERVICES	RADIO MAINTENANCE	110	PROD
RADIO CATALOG/MAINTENANCE/BILLING	TOTAL	110**	
REAL ESTATE RENTAL MANAGEMENT/BILLING			
TRANSPORTATION	RIGHT OF WAY RENTAL SYSTEM	3	PROD
	RIGHT OF WAY RENTAL REPORTS	3	PROD
	R/W EXCESS LAND ROSTER	0	PROD
	R/W RENTAL	0	PROD

## GENERIC TYPE REPORT

		TOTAL COST (X 100¢)	USE
	CONTINUED		
	R/W RENTAL 3-DAY NOTICE R/W RENT OUTDOOR ADVERT SGN PAR	0 0	PROD PROD
**	TOTAL	6**	
	SUPPORTIVE SERVICE OBB AND 9	2	PROD
	CLIENT BILLING	24	PROD
	CLIENT BILLING	4	NEW
	USFR COST DISTRIBUTION REPORT	6	PROD
	TOTAL	36**	
	DSP ACCOUNTING SYSTEM	181	PROD
	CAR PROL USAGE	0	PROD
	MATERIALS LAB DAILY CHARGES	0	PROD
	RCV-HEALTH RECOVERY SYSTEM	166	PROD
	TOTAL	347**	
	OIL AND GAS ASSESSMENTS	3	PROD
	BILLING SYSTEM	0	PROD
	BILLING SYSTEM	0	PROD
	EDP ACCOUNTING SYSTEM	0	PROD
	DAILY LAB CHARGES	0	PROD
	CONTRACTOR BILLING SYSTEM	37	PROD
	INDUSTRIALLY INJURED PROGRAM	2C	
	INDUSTRIALLY INJURED PROGRAM	10	PROD
	BILLING SYST FOR STATE HOSPIT	3	NEW
	TOTAL	73**	
	*** BILLING SYSTEMS	1,743**	

GENERIC TYPE REPORT

GENERIC TYPE REPORT

ACCOUNTING & FINANCIAL SYSTEMS		CONTINUED	
ACCOUNTING - DEPARTMENTAL FINANCIAL		OFF OF EQUIP LABOR AND MATERIALS A/T MONTHLY PAIDS	14
TREASURER		PROGRAM COST ACCOUNTING SYSTEM	2
WATER RESOURCES		ALLOTMENT EXPENDITURE LEDGER	112
REHABILITATION		ALLOTMENT EXPENDITURE LEDGER	20
SOCIAL SERVICES		FISCAL MANAGEMENT INFORMATION	21
DEPARTMENT OF HEALTH SERVICES		LRA-LONG RANGE ACCOUNTING SYST	311
ACCOUNTING - DEPARTMENTAL FINANCIAL	***	TOTAL	286
			1,095**
ACCOUNTING - FUND		FUND AND ACCOUNTING SYSTEM	380
CONTROLLER		CRS PERSONAL DEPOSIT FUND	2
DEPARTMENT OF DEVELOPMENTAL SERVICES		TOTAL	382**
ACCOUNTING - MORTGAGE LOAN		CAL-VET LOANS	235
VETERANS AFFAIRS		TOTAL	235**
ACCOUNTING - MORTGAGE LOAN	***		
ACCOUNTING - PROGRAM COST AND BUDGETING		ALLOTMENT EXPENDITURE	75
FORESTRY		COST ACCOUNTING	10
PERSONNEL BOARD		MAT. MGMT. SYST. ACCT. SUBSYST	30
TRANSPORTATION		RIGHT OF WAY CAPITAL PROG. SYS	14
		BUDGET MANAGEMENT REPORTS	0
ACCOUNTING		ACCOUNTING	0
SPENDING PLAN-BUDGET		SPENDING PLAN-BUDGET	0
RUDGET PREPARATION		RUDGET PREPARATION	0
REPORT OF MAN YEARS WORKED		REPORT OF MAN YEARS WORKED	0
EXPENDITURE MONITORING		EXPENDITURE MONITORING	3
PERSONNEL EXPENDITURE MONITORING		PERSONNEL EXPENDITURE MONITORING	0
CORRECTION FOR EAS NOT MAS FIL		CORRECTION FOR EAS NOT MAS FIL	4
TRAFFIC SIGNAL COSTS REPORT		TRAFFIC SIGNAL COSTS REPORT	0
AUTOMATED RUDGET SYSTEM		AUTOMATED RUDGET SYSTEM	11
PROGRAM COST REPORT SYSTEM		PROGRAM COST REPORT SYSTEM	13
CASE SERVICE BILL SYSTEM		CASE SERVICE BILL SYSTEM	74
CASE SERVICE BILL SYSTEM		CASE SERVICE BILL SYSTEM	21
CCH-CONTRACT COUNTIES ENV HLTH		CCH-CONTRACT COUNTIES ENV HLTH	7
FPR FAMILY PLANNING REPORT SYS		FPR FAMILY PLANNING REPORT SYS	58
RUDGET CONTROL SYSTEM		RUDGET CONTROL SYSTEM	8
		TOTAL	328**
WATER RESOURCES		DEPARTMENT TIME REPT/CTS ACT SY	11
ALCOHOL AND DRUG ABUSE		FISCAL SYSTEMS OPERATIONS(PCA)	147
REHABILITATION			
DEPARTMENT OF HEALTH SERVICES			
DEPARTMENT OF DEVELOPMENTAL SERVICES			
ACCOUNTING - PROGRAM COST AND BUDGETING			
ACCOUNTING - PROGRAM COST/TIME REPORTING			
CORPORATIONS			
EDUCATION			

GENERAL TYPE REPORT

ACCOUNTING & FINANCIAL SYSTEMS		CONTINUED	
GENERAL SERVICES	ACCOUNTING - PROGRAM COST/TIME REPORTING	STATE POLICE	USE (X 1000)
INDUSTRIAL RELATIONS		ADMIN HEARING FUNCTIONAL TIME	9
TRANSPORTATION		DGS BLDGS AND GROUNDS COST ACC	2
DEPARTMENT OF MENTAL HEALTH		DGS LOCAL ASST FUNCTIONAL TIME	22
DEPARTMENT OF DEVELOPMENTAL SERVICES		TIME AND COST ACCOUNTING SYSTEM	1
ACCOUNTING - PROGRAM COST/TIME REPORTING	***	REPRODUCT. SERV. SUSP. ACCT.	78
		STAFF TIME SHEET SUMMARY	8
		BULK FUEL ACCOUNTING SYSTEM	0
		TRANS PLANNING CHGRS-OTHR DIST	3
		COST AND BILLING	0
		COST AND BILLING	12
		TOTAL	5
			298**
		INHERITANCE AND GIFT TAX ACCTG	128
		FEDERAL & STATE INCOME TAX-EFF	17
		SOCIAL SECURITY	17
		EMPLOYER ADDRESS INQUIRY	386
		EMPLOYER ACCOUNTING	449
		PROOF OF CREDIT	26
		EXPERIENCE RATING	30
		EMPLOYER RULINGS	48
		FRANCHISE TAX TAPES	15
		DI ELECTIVE COVERAGE ACCOUNT	106
		AIRCRAFT	22
		AIRCRAFT & VESSELS	0
		AUDIT CELL ANALYSTS	1
		AUDIT SELECTION	13
		AUDIT STATISTICS	19
		BEVERAGE TAX	86
		CIGARETTE TAX	15
		SAMPLE SELECTION	30
		TIMBER TAX	17
		PIT-AUDIT	0
		PIT-SELF ASSESSMENT	0
		PIT-FILING ENFORCEMENT	0
		PIT-RESEARCH & STATISTICS	0
		BCT-ACCOUNTS RECEIVABLE	0
		BCT-AUDIT ACTIVITIES	0
		BCT-FILING ENFORCEMENT	0
		BCT-RESEARCH & STATISTICS	0
		SCTA-CLAIM PROCESSING	0
		SCTA-AUDIT ACTIVITIES	0
		SCTA-RESEARCH & STATISTICS	0
		TOTAL	1,434**

## GENERIC TYPE REPORT

## ACCOUNTING &amp; FINANCIAL SYSTEMS

CONTINUED

		TOTAL COST (x 1000)	USE
**	ACCOUNTING - ENCUMBRANCE		
	HIGHWAY PATROL	24	PROD
	TEALE DATA CENTER	0	PROD
	REHABILITATION	99	PROD
	AUTOMATED ENCUMBRANCE REPORTING	21	PROD
	AUTOMATED ENCUMBRANCE REPORTING	144**	
**	ACCOUNTS PAYABLE		
	EDUCATION	146	PROD
	TEALE DATA CENTER	8	PROD
	TRANSPORTATION	0	PROD
	CHILD NUTRITION SERVICES BUREAU	0	PROD
	ACCOUNT PAYABLE	0	PROD
	ACCOUNTING DOCUMENTS	0	PROD
	TRIAL BALANCE	0	PROD
	EQUIPMENT ACCOUNTS PAYABLE	19	NEW
	UTILITY BILLING SYSTEM	14	PROD
	UTILITY BILLING	1	PROD
	REGISTER OF INVOICES	4	PROD
	UTILITY BILLING	5	PROD
	UTILITY BILLING	197**	
**	ACCOUNTS PAYABLE		
	TEALE DATA CENTER	0	PROD
	TRANSPORTATION	0	PROD
	ACCOUNT RECEIVABLE	0	PROD
	REGISTER OF INVOICES	11	PROD
	ACCTS 91 82 AND 94 CASH SYSTEM	25	PROD
	DEM616 BUDGET REPORTS	3	NEW
	TOLL BRIDGE ACCOUNTS RECEIVABL	0	PROD
	ACCTS RECEIVABLE BILL CHECK	0	PROD
	ACCT RECEIVABLE	4	PROD
	ACCTS RECEIVABLE SYSTEM	0	PROD
	CCI-CA CORRECTIONAL INDUSTRIES	10	PROD
	CASUALTY/COMPLIANCE A/R	0	NEW
	ACCOUNTS RECEIVABLE	0	PROD
	PETITIONS AND REFUNDS	330	PROD
	PTT --ACCOUNTS RECEIVABLE	0	PROD
	PTT --ACCOUNTS RECEIVABLE	383**	
**	FRANCHISE TAX		
	ACCOUNTS RECEIVABLE		
	BANK/FINANCIAL RECONCILIATION		
	FORESTRY	7	PROD
	TEACHERS RETIREMENT SYS	36	NEW
	TREASURER	0	PROD
	MOTOR VEHICLES	930	PROD
	BANK DEPOSIT RECONCILIATION	39	PROD
	BANK RECONCILIATION	0	PROD
	MOTOR FINANCIAL RECONCILIATION	1,012**	

## GENERIC TYPE REPORT

		TOTAL COST (X 1000)	USE
CONTINUED			
ACCOUNTING & FINANCIAL SYSTEMS			
BOND AND COUPON RECONCILIATION			
TREASURER			
BOND AND COUPON RECONCILIATION			
CASH/FUNDS RECEIPT AND APPLICATION			
PUB EMPL RET SYS			
EQUALIZATION			
MOTOR VEHICLES			
CASH/FUNDS RECEIPT AND APPLICATION			
FINANCIAL FORECAST			
CONTROLLER			
FINANCE			
DEPARTMENT OF HEALTH SERVICES			
FINANCIAL FORECAST			
FUND APPORTIONMENT			
EDUCATION			
ALCOHOL AND DRUG ABUSE			
DEPARTMENT OF MENTAL HEALTH			
FOOD AND AGRICULTURE			
FUND APPORTIONMENT			
INVESTMENT PORTFOLIO MANAGEMENT			
PUB EMPL RET SYS			
TREASURER			
INVESTMENT PORTFOLIO MANAGEMENT			
OVERHEAD ALLOCATION			
TEALE DATA CENTER			
TRANSPORTATION			
OVERHEAD ALLOCATION			
SUBSIDIARY ACCOUNTING			
ALLOCATION	14	PROD	
DELINQUENCY	37	PROD	
RETURN PROCESSING	39	PROD	
SECURITY	461	PROD	
PARKING CITATION PROCESS	64	PROD	
VEHICLE ACCOUNTING	0	PROD	
TOTAL	615**	PROD	
LOCAL GOVT FINANCIAL REPORTS			
FINANCIAL RESEARCH	259	PROD	
BGS-BUDGET GREENSHEET	42	PROD	
MRS-PREPARED HEA PLAN RATE SET	26	NEW	
QAM-QUALITY ASSURANCE MONITORI	170	NEW	
TOTAL	4	NEW	
501**			
SCHOOL APPORTIONMENTS AND RPTS			
SCHOOL APPORTIONMENTS AND RPTS	320	PROD	
ALLOCATION FORMULA	19	PROD	
BUDGET CONTROL	2	PROD	
MILK POOLING	6	PROD	
TOTAL	80	PROD	
427**			
INVESTMENTS			
INVESTMENT INFORMATION SYSTEM	50	PROD	
TOTAL	5	5**	
BILLING SYSTEM			
OVERHEAD RATE	0	NEW	
CARPOOL CARTAG SYSTEM	16	PROD	
TOTAL	0	16**	

## GENERIC TYPE REPORT

**TOTAL  
COST  
(X 1000)**

CONTINUED  
ACCOUNTING & FINANCIAL SYSTEMS

PAYMENT/EXPENSE DISTRIBUTION  
MOTOR VEHICLES  
PAYMENT/EXPENSE DISTRIBUTION

PROGRAM REIMBURSEMENT - FEDERAL AND STATE  
HIGHWAY PATROL  
TRANSPORTATION  
WATER RESOURCES  
SOCIAL SERVICES  
STUDENT AID COMM

**DEPT ACCTG EXPENDITURE REPORT  
TOTAL**

\*\*\* PROGRAM REIMBURSEMENT - FEDERAL AND STATE  
PROJECT MANAGEMENT AND BUDGETING  
EDUCATION  
HIGHWAY PATROL

HIGHWAY PATROL	2	PROD
TRANSPORTATION	3	PROD
WATER RESOURCES	54	PROD
SOCIAL SERVICES	101	PROD
STUDENT AID COMM	177	PROD
** PROGRAM REIMBURSEMENT - FEDERAL AND STATE	136	NEW
PROJECT MANAGEMENT AND BUDGETING	4	PROD
EDUCATION	0	PROD
HIGHWAY PATROL	0	NEW
TRANSPORTATION	8	NEW
** PROJECT MANAGEMENT AND BUDGETING	14	NEW
TRANSPORTATION	59	PROD
RIGHT OF WAY SUPPORT PROG. MGMT	26	PROD
RIGHT OF WAY EXCESS LANDS SYST	22	PROD
RIGHT OF WAY MGMT. SYST. DEVELOP	34	NEW
EQUIP WORK ORDERS MGMT REP SYS	19	NEW
DISTRICT 01 PILOT BUDGET	0	PROD
ADMINISTRATIVE REPORTS	0	PROD
STAFF AND MAINT MAN-YR SYSTEM	0	PROD
ACCOUNTING OPEA WORKOVER LIST	0	PROD
DISTRICT RELOCATION ASSIST PGW	0	PROD
MAINTENANCE MANAGEMENT	0	PROD
DISTRICT MANAGEMENT INFORMATION	0	PROD
** PROJECT MANAGEMENT, COSTING AND BILLING	332*	*
TRANSPORTATION	0	PROD
WATER RESOURCES	6	PROD
DEPARTMENT OF HEALTH SERVICES	105	PROD
PROJECT MANAGEMENT COSTING AND BILLING	12	PROD
FPS-FAMILY PLANNING SYSTEM	123*	*
TOTAL	105	

## GENERIC TYPE REPORT

TOTAL  
COST  
(X 1000)  
USF

## ACCOUNTING &amp; FINANCIAL SYSTEMS

CONTINUED

PROJECT PROGRESS PAYMENT CALCULATION  
TRANSPORTATION

\*\* PROJECT PROGRESS PAYMENT CALCULATION

PROPERTY INVENTORY (FIXED ASSET ACCOUNTING)

CONTROLLER  
FORESTRY  
GENERAL SERVICES  
  
HIGHWAY PATROL  
PARKS AND RECREATION  
TELE DATA CENTER  
TRANSPORTATION

WATER RESOURCES  
DEPARTMENT OF DEVELOPMENTAL SERVICES  
  
PROPERTY INVENTORY (FIXED ASSET ACCOUNTING)

VOUCHERS PAYABLE/RECONCILEMENT  
DEPARTMENT OF HEALTH SERVICES  
VOUCHERS PAYABLE/RECONCILEMENT

\*\*\* ACCOUNTING & FINANCIAL SYSTEMS

	PROGRESS PAY (MAINT)	PROGRESS PAY DEVELOPMENT	WORKING DAYS CALENDAR	TOTAL	TOTAL COST (X 1000)	USF
UNCLAIMED PROPERTY ACCT SYSTEM	261	PROD				
PROPERTY	27	PROD				
REI REAL ESTATE	2	PROD				
SPACE MGMT SPACE INVENTORY	8	PROD				
CHP PROPERTY INVENTORY	6	PROD				
ARTIFACTS INV	7	PROD				
ACCOUNTING	0	NEW				
STATE FURNISHED MATERIALS	0	PROD				
NON-EXPENDABLE INVENTORY	0	PROD				
R/W RENTAL SYSTEM	0	PROD				
MAJOR EQUIPMENT REPORT	0	PROD				
EQUIPMENT ACCOUNTING SYSTEM	14	PROD				
PROPERTY EQUIPMENT INVENT HOSP	9	PROD				
PROPERTY EQUIPMENT INVENT HnSP	0	PROD				
TOTAL	328**					
AVP-WTC AUTHORIZED VENDOR PROJ	175	NEW				
TOTAL	175**					
	11,391***					

## GENERIC TYPE REPORT

		TOTAL COST (X 1000)	USE
OTHER SYSTEMS			
ACTUARIAL	PUB EMPL RET SYS TEACHERS RETIREMENT SYS	ACTUARIAL VALUATION STUDIES VALUATION SYSTEM VALUATION SYSTEM	204 25 8 TOTAL 237**
** ACTUARIAL			
CARPOOL PROCESSING	TRANSPORTATION	CARPOOLING CARPOOL MATCHING SYSTEM COMMUTER COMPUTER CARPOOL SYST	2C 3 20 43**
** CARPOOL PROCESSING			
DEMOGRAPHIC DISTRIBUTION			
FINANCE	ALCOHOL AND DRUG ABUSE	POPULATION RESEARCH DRUNK DRIVING CONVICTIONS FOLLOW-UP PROJECT DRINKING DRIVER PROGRAM MANAGEMENT INFORMATION SYSTEM ALCOHOL RELATED ARRESTS	127 1 4 13 13 3 TOTAL 161**
** DEMOGRAPHIC DISTRIBUTION			
ELECTIONS	SECRETARY OF STATE	SEMI-OFFICIAL CANVASS MEDIA EQUIPMENT	45 27 72**
** ELECTIONS			
FHWA	TRANSPORTATION	PRODUCTION OF FEDERAL BILL MAINT. FED. CURRENT BILL. SYST FEDERAL AID REPORTS	33 30 3.6 TOTAL 99**
** FHWA			
MISCELLANEOUS	MOTOR VEHICLES	HOUSE TRAILER PROCESS CO ASSESSOR SPECIAL VEHICLE	0 0 0 TOTAL 0**
** MISCELLANEOUS			
MISCELLANEOUS PRODUCTION MAINTENANCE	HIGHWAY PATROL	DATA GUIDANCE DATA GUIDANCE (TSO) LISTING OF SCHEDULED JOBS SUPPORT SRV (MISC) TSO	18 27 1 0 TOTAL 55**
** MISCELLANEOUS PRODUCTION MAINTENANCE			
*** OTHER SYSTEMS			667***

## GENERIC TYPE REPORT

	TOTAL COST (X 1000)	USF
CONTROLLER	0	
GENERAL SERVICES	35	NEW
HIGHWAY PATROL	7	PROD
TRANSPORTATION	2	NEW
ALCOHOL AND DRUG ABUSE	15	NEW
EMPLOYMENT DEV	19	NEW
OFFICE OF TRAFFIC SAFETY	0	PROD
DEPARTMENT OF MENTAL HEALTH	117	PROD
EMPLOYER CHARGEBACKS	92	PROD
GRANT PROGRAM RESOURCE ALLOCAT	46	NEW
DEMAND REQUESTS	60	NEW
<b>TOTAL</b>	<b>393 **</b>	
2		
TRANSPORTATION	5	PROD
SAFETY REPORTS	24	NEW
SAFETY REPORTS	29 **	
<b>TOTAL</b>	<b>422 *** *</b>	
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Office of the Auditor General

cc: Members of the Legislature  
Office of the Governor  
Office of the Lieutenant Governor  
Secretary of State  
State Controller  
State Treasurer  
Legislative Analyst  
Director of Finance  
Assembly Office of Research  
Senate Office of Research  
Assembly Majority/Minority Consultants  
Senate Majority/Minority Consultants  
California State Department Heads  
Capitol Press Corps

















